



WASHINGTON STATE  
DEPARTMENT OF  
**E C O L O G Y**

**WASHINGTON STATE DEPARTMENT OF ECOLOGY**

**WATER QUALITY FINANCIAL  
ASSISTANCE PROGRAMS  
FOR FISCAL YEAR 2001**

**CENTENNIAL CLEAN WATER FUND PROGRAM**

**WASHINGTON STATE WATER POLLUTION  
CONTROL REVOLVING FUND PROGRAM**

**CLEAN WATER ACT SECTION 319  
NONPOINT SOURCE FUND PROGRAM**

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**CENTENNIAL CLEAN WATER FUND/  
WASHINGTON STATE WATER POLLUTION CONTROL  
REVOLVING FUND/CLEAN WATER ACT SECTION  
319 NONPOINT SOURCE FUND  
DRAFT OFFER AND APPLICANT LIST  
FY 2001**

**June 30, 2000**

**Publication No. 00-10-029**



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*If you have special accommodation needs or require this document in an alternative format, please call Donna Lynch at (360) 407-7529. The TDD number is (306) 407-6006. E-mail can be sent to [dlyn461@ecy.wa.gov](mailto:dlyn461@ecy.wa.gov).*



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
*P.O. Box 47600 • Olympia, Washington 98504-7600*  
*(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006*

June 30, 2000

Re: Centennial Clean Water Fund/Washington State Water Pollution Control Revolving Fund/Clean Water Act Section 319 Nonpoint Source Fund  
FY 2001 Funding Cycle  
Draft Offer and Applicant List

To Interested Persons:

I am pleased to provide you with the enclosed state fiscal year 2001 (FY 2001) Draft Offer and Applicant List. This list covers the Centennial Clean Water Fund (Centennial), the Washington State Water Pollution Control Revolving Fund (SRF), and the Clean Water Act Section 319 Nonpoint Source Fund (Section 319) programs. The SRF Draft Intended Use Plan (IUP), which is available separately, also includes the projects for which SRF funding is proposed. The projects proposed for funding reflect the highest priority water quality projects for the state of Washington.

Local governments, Native American tribes, and not-for-profit groups submitted 221 requests for funding consideration during the FY 2001 application cycle. These proposed projects reflect approximately \$268 million of funding need. Based on an evaluation of these applications and directives from the Washington State Legislature, Ecology proposes to fund 73 activity and facility projects totaling approximately \$89 million. Proposed projects address wastewater treatment plant upgrades and collection system improvements, on-site septic system repair and replacement, water reclamation and reuse, watershed planning and implementation, riparian improvements, salmon habitat improvements, agricultural best management practices, stormwater management planning and implementation, public information/education, wellhead protection, and water quality monitoring.

Ecology continued to pilot a revised evaluation process during the FY 2001 funding cycle. This process was developed the previous year with the assistance of an external advisory committee comprised of representatives from many client and stakeholder groups which are, or have been, grant and loan recipients. Some additional "fine tuning" was made to the specific criteria and the local prioritization process employed for FY 2001. Ecology, and other state agency staff, evaluated the proposals, assigned points, and used the points to develop a statewide priority list in ranked order.

Ecology also undertook a major marketing effort to ensure that all the SRF loan monies, available in FY 2001, would be used for high priority projects statewide. As an integral part of our marketing effort we advertised lower interest rates for the period. The result was phenomenal – the loan requests totaled more than eight times as much money as that requested during the previous, FY 2000 funding cycle. In

order to formally offer these lower rates, the program made minor changes to the rule governing the SRF (Chapter 173-98 WAC). These changes created a simplified schedule for determining each year's interest rates and also allow the agency the flexibility to further lower those rates when analysis shows that lowering the rates will not adversely affect the health of the SRF loan portfolio. This year, an independent analysis showed that the fund was very robust and could remain so with much lower interest rates for FY 2001. This was the justification for the low rates advertised in January, which will help us obligate all the available funds for FY 2001. Moreover, the lower rates will have a positive impact on the water quality of the state and the fiscal health of small towns struggling to fund projects. Here are the interest rates for FY 2001:

Repayment Period	Interest Rate
Up to five years:	0.5 percent
More than 5, but no more than 20 years:	1.5 percent


*Ecology is holding two public meetings (see enclosed Public Notice) to present an overview of these three funding programs and the process used to select projects for funding. Ecology staff will discuss the preparation of the Draft List. Information will be provided on the remaining process and schedule to be followed before the FY 2001 Draft Offer and Applicant List will be finalized.*

We welcome public comments on the FY 2001 Draft Offer and Applicant List or the FY 2001 SRF Draft IUP at these meetings. Alternatively, written comments will be accepted until August 2, 2000. Please mail written comments to:

Kim McKee  
Department of Ecology  
Water Quality Program  
PO Box 47600  
Olympia, WA 98504-7600

If you have questions about the Centennial program, please contact Kim McKee at (360) 407-6566. Questions about the SRF program can be directed to Brian Howard at (360) 407-6510 and questions for Section 319 can be directed to Dan Filip at (360) 407-6509.

Sincerely,

  
**Megan White, P.E., Manager**  
**Water Quality Program**

Enclosure



# Public Meeting Notice

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## Proposed Funding for Water Quality Projects

The Washington State Department of Ecology (Ecology) invites you to attend a public meeting to discuss the preparation of the Draft Offer and Applicant List for the Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund, and the federal Clean Water Act Section 319 Nonpoint Source Fund. Ecology welcomes your comments on the draft list.

Ecology proposes to fund 73 activity and facility projects during the state fiscal year 2001 (FY 2001) funding cycle. Ecology proposes to fund approximately \$24.9 million from the Centennial Clean Water Fund, \$61.8 million from the Washington State Water Pollution Control Revolving Fund, and \$2.2 million from the Clean Water Act Section 319 Nonpoint Source Fund. This year Ecology is allocating more funding than ever before, \$99 million in grants and loans. This is largely due to the availability of SRF federal capitalization funds.

Ecology's water quality financial and technical assistance is essential to local governments, Native American tribes, and others. The proposed projects will help prevent water pollution and protect water quality for swimming, boating, fish habitat, and other important uses.

A 1986 state statute created the Water Quality Account, which is financed primarily through taxes on tobacco products. Ecology administers the Centennial Clean Water Fund, which is part of the Water Quality Account. The agency offers Centennial grants and loans to local governments, Native American tribes, and other public entities for water pollution control projects.

Ecology also administers the Washington State Water Pollution Control Revolving Fund. This program uses federal funding from the U.S. Environmental Protection Agency and provides low-interest loans to local governments, Native American tribes, and other public entities. The loans are primarily for upgrading or expanding water pollution control facilities such as public sewage and stormwater plants, and for activities to address estuary management and nonpoint source water quality problems.

In addition, Ecology administers the federal Clean Water Act Section 319 Nonpoint Source Fund. This fund provides grants to local governments, Native American tribes, state agencies, and nonprofit organizations to address nonpoint source pollution and to improve and protect water quality. Nonpoint source pollution includes many diffuse sources of pollution including runoff from urban development, agricultural and timber practices, failing septic systems, pet waste, and gardening activities.

**Ecology is an equal opportunity agency.**

If you have questions about the proposed funding list, funding programs or the public meetings, please contact Kim McKee at (360) 407-6566.

For more information about the draft offer list and water quality financial assistance, visit Ecology's web page at: <http://www.wa.gov/ecology/wq/links/funding.html>

**Following are the dates, times and locations of the public meetings.**

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TACOMA	<b>Tuesday, July 11, 2000</b> <b>Pierce County Library</b> <b>3005 112<sup>th</sup> Street East (Rooms B &amp; C)</b>	<b>Beginning at 10:00 a.m.</b>
SPOKANE	<b>Thursday, July 13, 2000</b> <b>West Central Community Center</b> <b>N. 1603 Belt (Newton Room)</b>	<b>Beginning at 10:00 a.m.</b>

**Driving Directions**

**TACOMA**

**From I-5:** Take exit 127 east – Hwy 512, Puyallup. Go about 3.5 miles and take Portland Avenue exit right (south) to 112<sup>th</sup> Street. Left on 112<sup>th</sup> about ½ mile to Waller Road. PAC building is just past intersection on the left.

**From Hwy. 410:** Take Hwy. 167 west at Sumner about ½ mile to exit for Hwy. 161 and Hwy. 512. Stay on 512 west to Canyon Road. Go left (south) on Canyon to 112<sup>th</sup> Street. Right on 112<sup>th</sup> about 1.5 miles to the PAC building on right.

**SPOKANE**

**Eastbound on I-90:** From I-90 take off-ramp at Exit 280 (“Maple BR./Lincoln St.”), go east for 0.3 miles, turn left on S Walnut St. and go north for 0.4 miles, continue on N Maple St. and go north for 1.0 miles, turn left on W Spofford Ave. and go west for 0.3 miles, turn left on N Belt St. and you are there.

**Westbound on I-90:** From I-90 take off-ramp at Exit 280A (“To Maple BR”) and go west for 0.1 miles, bear left on W 4th Ave. and go west for 0.2 miles, turn right on Walnut St. and go north for 0.4 miles, continue on N Maple St. and go north for 1.0 miles, turn left on W Spofford Ave. and go west for 0.3 miles, turn left on N Belt St. and you are there.

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## **DRAFT OFFER LIST**

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FY 2001

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01EPG01	King County West Point WWTP Secondary Upgrade						\$2,500,000				1
FP01EPG02	Spokane County/City Spokane Rathdrum Prairie Aquifer						\$5,000,000				1
FP01029	Pateros City of Wastewater Treatment Plant				\$1,034,592		\$900,000				2, 3
FP01138	Clallam County WRIA 18 Water Quality & Planning	1	90	830	\$187,500		\$187,500				7, 8
FP01069	Skamokawa Water & Sewer District Skamokawa Community Sewer Project	2	100	825	\$1,000,000		\$180,000	\$819,400	20	0	4, 8, 9
FP01051	Roza-Sunnyside Board of Joint Control On-Farm Irrigation Conversions	3	100	810	\$10,000,000			\$9,901,076	5	.5	6, 9
FP01043	Jefferson County On-Site Sewage Operations/Maintenance Program	4	90	807	\$80,600	\$80,600					10
FP01176	Goldendale City of Goldendale Wastewater Facility Improvements	5	100	780	\$3,922,000		\$2,211,000	\$1,711,000	20	1.5	3, 9
FP01116	Lynden City of Wastewater Treatment Plant Upgrade/Expansion	6	100	765	\$7,284,000		\$762,068	\$6,521,932	20	1.5	8, 9
FP01173	Klickitat County Little Klickitat Temperature TMDL Project Coordination	7	80	760	\$163,500		\$163,500				6, 7, 8
FP01195	Puyallup City of Clarks Creek Watershed Pollutant Reduction	8	60	754	\$225,000		\$225,000				7, 8
FP01110	North Yakima Conservation District NYCD 2000 - 2001 Water Quality Projects	9	80	745	\$75,643	\$75,643					6, 7, 10
FP01125	Tacoma-Pierce County Health Department Shellfish Watersheds Protection Project	10	100	729	\$202,768	\$202,768					10

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 1**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01088	Marine Science Society of the Pacific Northwest <b>Nearshore Habitat Evaluation &amp; Enhancement</b>	11	50	728	\$214,148	\$214,148					6, 7, 10
FP01137	Kittitas County Conservation District <b>Waterway Monitoring &amp; Landowner Assistance Project</b>	12	90	728	\$133,313	\$133,313					7, 10
FP01044	Jefferson County <b>Septic Repair Revolving Loan Fund</b>	13	80	722	\$150,000			\$150,000	14	1.5	9
FP01100	Cheney City of <b>Cheney Wastewater Treatment/Reclamation Project</b>	14	80	722	\$2,529,629			\$2,529,629	20	1.5	9
FP01058	Prosser City of <b>Prosser Wastewater Treatment Plant Improvements</b>	15	90	718	\$1,422,175		\$610,750	\$811,425	20	1.5	8, 9
FP01194	Chelan County Public Works <b>Manson Area Stormwater Management Plan</b>	16	100	715	\$60,000		\$60,000				8
FP01185	Thurston County <b>Cooper Point Wastewater Facilities Construction</b>	17	100	710	\$2,370,232		\$1,816,761	\$553,471	20	0	4, 8, 9
FP01027	Centralia City of <b>Centralia Wastewater Treatment Plant</b>	18	100	708	\$28,000,000			\$24,731,652	20	0	4, 9
FP01124	Tacoma-Pierce County Health Department <b>Septic System Education and Maintenance</b>	19	90	705	\$116,783	\$116,783					10
FP01189	Elma City of <b>Elma Wastewater Treatment Plant Construction</b>	20	100	704	\$4,613,000		\$1,852,120	\$2,760,880	20	1.5	8, 9
FP01083	Bremerton-Kitsap County Health District <b>Upper Union River Restoration Project</b>	21	90	690	\$112,498		\$112,498				8
FP01177	Farmington Town of <b>Farmington Sewer System Rehabilitation</b>	22	100	689	\$50,000		\$37,500	\$12,500	20	1.5	8, 9
FP01217	Oroville City of <b>Oroville WWTF Improvement Project</b>	23	90	688	\$294,000			\$294,000	5	.5	9

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 2**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01187	Yelm City of <b>Yelm Ground Water Quality Monitoring</b>	24	90	685	\$131,250		\$131,250				7, 8
FP01084	Bellingham City of <b>Stream Management and Education Project</b>	25	20	683	\$156,907	\$156,907					10
FP01102	Enumclaw City of <b>Enumclaw WWTP Improvements - Planning</b>	26	80	680	\$135,000		\$18,750	\$116,250	5	.5	8, 9
FP01001	Pomeroy City of <b>Wastewater Facilities Improvements</b>	27	100	678	\$2,388,400		\$1,194,200	\$1,194,200	20	1.5	5, 8, 9
FP01109	South Yakima Conservation District <b>Sulphur Creek Agricultural BMPs</b>	28	70	675	\$127,287		\$127,287				6, 7, 8
FP01057	Skagit County <b>Additional Subsurface Effluent Disposal Field</b>	29	0	675	\$400,000		\$360,000	\$40,000	20	0	4, 8, 9
FP01055	Foster Creek Conservation District <b>Protecting Water for People and Fish</b>	30	80	675	\$81,250	\$81,250					6, 10
FP01135	Columbia River Foundation <b>Lower Columbia River Habitat Protection</b>	31	70	672	\$43,875	\$43,875					6, 10
FP01183	Lind Town of <b>Wastewater Disinfection and Collection Systems Improvements</b>	32	100	673	\$347,996		\$347,996				8
FP01147	Skamania County <b>Carson Stormwater Facilities Planning</b>	33	100	671	\$247,500		\$247,500				8
FP01144	Ferry Conservation District <b>FCD Riparian Demonstration Education Project</b>	34	100	670	\$250,000	\$250,000					6, 7, 10
FP01087	Clark County Department of Public Works <b>De-Watering Facility for Vactor Waste - Phase 2</b>	35	100	668	\$206,000		\$206,000				8
FP01174	Quincy City of <b>Water Reclamation Facility Design</b>	36	90	668	\$650,000			\$650,000	5	.5	9
FP01120	Natural Resources Department of <b>Floodplain Surface Mining Impact Study</b>	37	80	664	\$242,459		\$242,459				7, 8

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 3**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01118	Kitsap County Public Works <b>Benthic Invertebrate Biological Monitoring Program</b>	38	60	658	\$26,360	\$26,360					7, 10
FP01050	Cowiche Sewer District <b>Cowiche WWTP Improvements</b>	39	100	658	\$350,000		\$350,000				8
FP01037	Public Utility District No. 1 of Stevens County <b>Waitts Lake Sewer System Loan Financing</b>	40	80	655	\$1,855,742			\$1,855,742	20	0	4, 9
FP01014	Snohomish County <b>Ground Water Management Plan Implementation</b>	41	80	655	\$250,000	\$250,000					10
FP01016	Issaquah City of <b>Tibbetts Creek Restoration/Sediment Control</b>	42	80	655	\$146,000		\$146,000				8, 14
FP01072	Snohomish Conservation District <b>Stillaguamish-Snohomish Fish Habitat Improvement</b>	43	100	653	\$186,000		\$186,000				6, 8
FP01082	Pierce Conservation District <b>Pierce Conservation District Technical Assistance</b>	44	100	653	\$150,000		\$150,000				6, 7, 8
FP01204	Adopt-A-Stream Foundation <b>Fish Passage/Water Pollution Assessment</b>	45	50	650	\$129,578	\$129,578					10
FP01193	Tonasket City of <b>Tonasket Wastewater Treatment Facility Reconstruction</b>	46	100	650	\$1,740,000		\$1,217,500	\$522,500	20	1.5	8, 9
FP01032	Clallam Conservation District <b>Dungeness Irrigation Water Quality Improvement</b>	47	100	648	\$250,000		\$250,000				6, 7, 8
FP01122	Bremerton Port of <b>Surface Water Management Plan</b>	48	10	648	\$180,000		\$180,000				8
FP01025	Tieton Town of <b>Water Reclamation Facility</b>	49	90	648	\$248,539		\$248,539				8

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 4**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01188	Woodland City of <b>Woodland Wastewater Treatment Plant Improvements</b>	50	100	648	\$4,049,500		\$2,397,000	\$1,652,500	20	1.5	3, 9
FP01182	Stevens County Conservation District <b>Pingston Creek Watershed Planning Project</b>	51	100	645	\$187,500		\$187,500				7, 8
FP01086	Spokane Aquifer Joint Board <b>Spokane Wellhead Protection Program Implementation</b>	52	100	645	\$250,000	\$250,000					10
FP01081	Pe Ell Town of <b>Sewer System Improvements</b>	53	80	644	\$250,000		\$135,603	\$114,397	20	0	4, 8, 9
FP01133	Lummi Indian Business Council <b>North Fork Nooksack Sediment Reduction (Phase 2)</b>	54	50	640	\$250,000	\$216,112					10, 11
FP01208	Lacey City of <b>Fones Road Regional Stormwater Facility</b>	55	90	640	\$220,000			\$220,000	5	.5	9
FP01080	Pe Ell Town of <b>Wastewater Treatment Facility Design</b>	56	90	640	\$275,000			\$275,000	20	0	4, 9
FP01179	Adopt-A-Stream Foundation <b>North Creek Streamkeepers</b>	57	90	703	\$152,885						15
FP01199	Pacific Energy Institute <b>Leland Watershed Water Quality Monitoring</b>	58	90	633	\$66,733						15
FP01146	Skamania County <b>Stabler Water Quality/Quantity Study</b>	59	90	632	\$60,000						15
FP01078	Snohomish Conservation District <b>Riley Slough Habitat Enhancement Project</b>	60	90	630	\$123,750						15
FP01039	Public Utility District No. 1 of Stevens County <b>Valley Sewer System Loan Financing</b>	61	90	630	\$279,812			\$279,812	20	1.5	5, 9
FP01180	Connell City of <b>Wastewater System Improvements (Construction)</b>	62	100	630	\$1,208,000			\$1,208,000	20	1.5	9

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 5**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01073	Snohomish Conservation District <b>Fish Friendly Farm BMP Implementation</b>	63	60	625	\$210,750						15
FP01127	Cle Elum City of <b>Interim Wastewater Treatment Facilities</b>	64	100	625	\$705,000						15
FP01117	Long Beach City of <b>WWTP Upgrade Design Phase 2 &amp; 3</b>	65	80	625	\$304,000			\$304,000	20	1.5	9
FP01170	Whatcom Conservation District <b>Recover Bertrand Creek, WRIA 1</b>	66	70	623	\$128,923						15
FP01153	Bremerton City of <b>Anderson Cove CSO Reduction Facilities</b>	67	70	621	\$1,600,000			\$505,014	20	1.5	5, 11
FP01079	Spokane County <b>Refinancing of Spokane County Septic Tank Elimination Projects</b>	68	80	620	\$28,800,000						16
FP01150	Bremerton City of <b>Private Sewer System Rehabilitation Activities</b>	69	30	619	\$500,000						16
FP01119	Sumner City of <b>Wastewater Treatment Upgrade and Expansion Design</b>	70	70	619	\$890,800						16
FP01013	Snohomish County <b>Citizen-Based Public Involvement Campaign</b>	71	5	618	\$108,750						15
FP01076	Upper Grant Conservation District <b>Bi-Lingual Mobile Irrigation Laboratories</b>	72	70	613	\$244,588						15
FP01105	Stanwood City of <b>Wastewater Facilities Design</b>	73	100	612	\$978,000						16
FP01155	King County Department of Natural Resources <b>Denny Way/Lake Union CSO Control Project - Design (Refinance)</b>	74	5	610	\$13,567,124						16
FP01101	Palouse Conservation District <b>Palouse River Riparian Revegetation Project</b>	75	90	610	\$122,850						15

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 6**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01128	Blaine City of <b>Wastewater Treatment - Disinfection Improvements</b>	76	90	605	\$420,500						15
FP01161	Chelan County Conservation District <b>Wenatchee Plan Action Item Implementation</b>	77	0	605	\$174,600						15
FP01157	King County Department of Natural Resources <b>Denny Way/Lake Union CSO Control Project - Construction</b>	78	90	605	\$19,233,705						16
FP01077	Brewster City of <b>Wastewater Treatment Plant Design</b>	79	80	605	\$155,000						16
FP01041	Washington State University <b>Watershed Stewards Training Program</b>	80	40	604	\$249,675						15
FP01030	Coupeville Town of <b>1999 Comprehensive Sewer Plan (Refinancing)</b>	81	0	603	\$95,610						16
FP01026	Granger Town of <b>Wastewater Treatment Improvements Design and Construction</b>	82	50	600	\$547,000						16
FP01172	Lincoln County Conservation District <b>Unified Drinking-Water Plan for Lincoln County</b>	83	90	599	\$157,969						15
FP01202	Thurston Conservation District <b>Chehalis Basin TMDL Response 1</b>	84	50	598	\$247,500						15
FP01140	Nooksack Department of Natural Resources <b>Fecal Coliform Transport in Ground Water</b>	85	80	598	\$162,750						15
FP01166	Skagit Conservation District <b>No Name Slough Implementation - Phase 1</b>	86	0	598	\$194,063						15
FP01085	Spokane County Conservation District <b>Hangman Creek Clean Water Program</b>	87	90	598	\$182,486			\$250,000	5	.5	12
FP01114	King County <b>Sammamish River - Water/Sediment Quality Evaluation</b>	88	40	593	\$150,000						15

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 7**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding Section 319 Funds CCWF SRF			Loan Terms (years)	Loan Interest Rate	Footnotes
FP01046	Fairfield Town of <b>Wastewater Treatment Facility Improvements</b>	89	100	593	\$1,153,789						16
FP01053	Mansfield Town of <b>Sewer System Operating Permit Requirements</b>	90	100	590	\$50,000						16
FP01089	Pacific Conservation District <b>Willapa River TMDL Issues</b>	91	70	588	\$250,000						15
FP01181	Toledo City of <b>Sewer System Improvements</b>	92	100	584	\$753,600						16
FP01212	Shelton City of <b>Shelton Wastewater Treatment Plant Headworks/Aeration Retrofit</b>	93	0	583	\$1,116,000						16
FP01060	Conconully Town of <b>Wastewater Facility Plan</b>	94	70	583	\$55,600						16
FP01042	Jefferson County <b>Jefferson County Surface Water Plan</b>	95	100	580	\$149,933						15
FP01002	San Juan County Health and Community Services <b>San Juan On-Site Failure Repair</b>	96	0	580	\$250,000			\$250,000	5	.5	9
FP01115	South Bend City of <b>Inflow and Infiltration Abatement Project</b>	97	100	580	\$1,000,000						16
FP01143	Medina City of <b>Regulatory Compliance, Funding, and Planning</b>	98	60	578	\$395,000						16
FP01103	Jefferson County Conservation District <b>Chimacum Watershed Plan: Estuary Phase</b>	99	100	578	\$100,000						15
FP01094	Clinton Water District <b>Clinton Comprehensive Sewer Plan</b>	100	0	575	\$45,000						15
FP01011	Adams Conservation District <b>Palouse River Partnership</b>	101	40	574	\$204,000						15
FP01005	Shoalwater Bay Indian Tribe <b>Shoalwater/ Tokeland Aquifer Study</b>	102	90	573	\$56,602						15

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 8**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
<b>FP01205</b>	Lacey City of <b>15th Avenue Stormwater Treatment Acquisition</b>	<b>103</b>	<b>60</b>	<b>573</b>	<b>\$502,750</b>			<b>\$502,750</b>	<b>5</b>	<b>.5</b>	<b>9</b>
<b>FP01031</b>	Clallam Conservation District <b>Lower Dungeness Watershed Restoration Project</b>	<b>104</b>	<b>80</b>	<b>570</b>	<b>\$210,000</b>						<b>15</b>
<b>FP01113</b>	King County Department of Natural Resources <b>Denny Way/Lake Union CSO Control Project</b>	<b>105</b>	<b>30</b>	<b>570</b>	<b>\$12,338,864</b>						<b>16</b>
<b>FP01096</b>	Spokane City of <b>Cochran Basin I/I Facility Plan</b>	<b>106</b>	<b>70</b>	<b>565</b>	<b>\$790,000</b>						<b>16</b>
<b>FP01034</b>	Clark Public Utilities <b>La Center Sanitary Sewer System Infiltration &amp; Inflow Study</b>	<b>107</b>	<b>80</b>	<b>570</b>	<b>\$50,000</b>						<b>16</b>
<b>FP01091</b>	Okanogan County <b>Implement Methow (WRIA 48) Water Management Plan</b>	<b>108</b>	<b>90</b>	<b>565</b>	<b>\$172,500</b>						<b>15</b>
<b>FP01196</b>	Sultan City of <b>Surface Water Quality Management Plan</b>	<b>109</b>	<b>70</b>	<b>565</b>	<b>\$140,000</b>			<b>\$140,000</b>	<b>20</b>	<b>1.5</b>	<b>12</b>
<b>FP01203</b>	Tumwater City of <b>Lower Deschutes Water Quality Project</b>	<b>110</b>	<b>70</b>	<b>565</b>	<b>\$53,030</b>						<b>15</b>
<b>FP01028</b>	Coupeville Town of <b>Wastewater Treatment Plant Expansion</b>	<b>111</b>	<b>0</b>	<b>565</b>	<b>\$2,370,000</b>						<b>16</b>
<b>FP01047</b>	Whatcom County Health & Human Services (HHS) <b>On-Site Sewage System (OSS) Permit Scanning Project</b>	<b>112</b>	<b>60</b>	<b>563</b>	<b>\$48,379</b>						<b>15</b>
<b>FP01097</b>	Spokane City of <b>Cowley Creek Diversion</b>	<b>113</b>	<b>70</b>	<b>563</b>	<b>\$430,000</b>						<b>16</b>
<b>FP01175</b>	Stevens County Conservation District <b>Little Pend Oreille Watershed Planning</b>	<b>114</b>	<b>100</b>	<b>563</b>	<b>\$250,000</b>						<b>15</b>

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 9**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01038	Public Utility District No. 1 of Stevens County <b>Clayton Sewer System Loan Refinancing</b>	115	100	563	\$804,584						16
FP01190	Mason County Community Development <b>North Bay/Case Inlet Water Reclamation Facilities</b>	116	0	560	\$362,416						16
FP01163	Redmond City of <b>Lower Bear Creek Restoration</b>	117	100	560	\$250,000						15
FP01154	Bremerton City of <b>East Bremerton Inflow/Infiltration Study</b>	118	20	558	\$130,000						16
FP01062	Mansfield Town of <b>Refinancing of Sewer Line Replacement</b>	119	70	555	\$290,000						16
FP01108	South Yakima Conservation District <b>GIS Land Use Characterization</b>	120	30	553	\$95,850						15
FP01065	Concrete Town of <b>Wastewater Collection and Treatment Improvements (Design Only)</b>	121	0	553	\$233,000						16
FP01066	North Bend City of <b>Sewer System Improvements (Phase 2)</b>	122	20	553	\$650,000						16
FP01186	Thurston County <b>Grand Mound Sewer Facilities Construction</b>	123	70	553	\$5,527,681						16
FP01059	Western Washington University <b>Nitrate Contamination: Abbotsford-Sumas Aquifer</b>	124	10	550	\$234,383						15
FP01201	Thurston Conservation District <b>Watershed Education in WRIA 13</b>	125	30	548	\$155,775						15
FP01151	Bremerton City of <b>Pine Road CSO Reduction Project</b>	126	40	545	\$750,000						16
FP01169	Redmond City of <b>Idylwood Park Stream Restoration</b>	127	10	543	\$250,000			\$330,000	5	.5	12
FP01092	Okanogan County Water Resources Department <b>Methow Basin Ground Water Study</b>	128	50	540	\$250,000						15

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 10**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding Section 319 Funds CCWF SRF			Loan Terms (years)	Loan Interest Rate	Footnotes
FP01048	Colfax City of <b>Colfax I/I Removal - Phase 2</b>	129	30	540	\$438,800						16
FP01211	Shelton City of <b>Shelton Wastewater Treatment Plant Modifications</b>	130	0	533	\$2,061,000						16
FP01142	Kitsap County Public Works <b>Kingston Wastewater Treatment Plant Outfall</b>	131	5	532	\$4,234,000						16
FP01010	Adams Conservation District <b>Cow Creek BMP Implementation Project</b>	132	60	528	\$142,500						15
FP01008	Garfield Town of <b>Rural Development Loan Transfer to SRF Loan</b>	133	5	528	\$911,770						16
FP01093	Okanogan County Water Resources Department <b>Methow Basin Water Conservation Monitoring</b>	134	70	525	\$147,665						15
FP01209	Lacey City of <b>College Ditch Stormwater Treatment Facility</b>	135	80	520	\$80,000			\$80,000	5	.5	9
FP01067	Klickitat County <b>Local OSS Loan Program</b>	136	90	518	\$225,000			\$225,000	5	.5	9
FP01012	Pullman City of <b>Comprehensive Stormwater Management Plan</b>	137	50	518	\$80,000			\$80,000	5	.5	9
FP01064	Kalispel Natural Resources Department <b>LeClerc Creek Riparian Restoration Project</b>	138	0	515	\$52,050						15
FP01071	Whitman Conservation District <b>Water Quality Awareness</b>	139	20	515	\$36,702						15
FP01061	Toppenish City of <b>Wastewater System Improvements (Refinance)</b>	140	40	513	\$3,303,000						16

***Note: Footnotes are found after complete table. Draft Offer and Applicant List, Page 11***

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
<b>FP01056</b>	Okanogan Conservation District <b>Methow Watershed Irrigation Water Management</b>	<b>141</b>	<b>60</b>	<b>510</b>	<b>\$250,200</b>						<b>15</b>
<b>FP01063</b>	Okanogan County <b>Conconully Lakes Wastewater System Refinance</b>	<b>142</b>	<b>60</b>	<b>508</b>	<b>\$227,296</b>						<b>16</b>
<b>FP01075</b>	Winthrop Town of <b>Comprehensive Sewer and Stormwater Plans</b>	<b>143</b>	<b>80</b>	<b>508</b>	<b>\$52,500</b>						<b>16</b>
<b>FP01104</b>	King County Department of Transportation and Natural Resources <b>Long-Term Effectiveness of Sand Filters</b>	<b>144</b>	<b>70</b>	<b>508</b>	<b>\$202,500</b>						<b>15</b>
<b>FP01156</b>	King County Department of Natural Resources <b>Renton Enlargement 3 - Construction (Refinance)</b>	<b>145</b>	<b>100</b>	<b>508</b>	<b>\$25,395,000</b>						<b>16</b>
<b>FP01106</b>	Marysville City of <b>Watershed Plan Implementation</b>	<b>146</b>	<b>50</b>	<b>505</b>	<b>\$55,500</b>						<b>15</b>
<b>FP01167</b>	Yelm City of <b>Yelm Sewer Project Loan Refinance</b>	<b>147</b>	<b>80</b>	<b>495</b>	<b>\$1,763,002</b>						<b>16</b>
<b>FP01162</b>	Chelan County Conservation District <b>Water Quality BMP Implementation Project</b>	<b>148</b>	<b>0</b>	<b>493</b>	<b>\$249,900</b>						<b>15</b>
<b>FP01184</b>	Thurston County Public Health and Social Services <b>Septic Systems and Shallow Ground Water</b>	<b>149</b>	<b>30</b>	<b>493</b>	<b>\$130,500</b>						<b>15</b>
<b>FP01160</b>	Mason Conservation District <b>Mason County Referrals and Follow-Up</b>	<b>150</b>	<b>0</b>	<b>492</b>	<b>\$95,500</b>						<b>15</b>
<b>FP01198</b>	Island County Public Works <b>Camano Watershed Program</b>	<b>151</b>	<b>0</b>	<b>490</b>	<b>\$249,750</b>						<b>15</b>
<b>FP01040</b>	Kent City of <b>Wellhead Protection Integrated Pest Management</b>	<b>152</b>	<b>80</b>	<b>488</b>	<b>\$52,500</b>						<b>15</b>

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 12**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01068	Chehalis River Council <b>Shade the Chehalis</b>	153	60	485	\$72,659						15
FP01123	Zillah City of <b>Wastewater Treatment Plant Bond Refinance</b>	154	10	485	\$565,552						16
FP01130	Hood Canal Coordinating Council <b>HCCC Monitoring &amp; Implementation Strategy Project</b>	155	100	483	\$203,324						15
FP01141	Eatonville Town of <b>WWTP &amp; Sewer Improvement Construction</b>	156	100	483	\$2,250,000						16
FP01099	Kennewick City of <b>Ultra Violet Disinfection Facility</b>	157	90	478	\$694,000						16
FP01007	Adams Conservation District <b>Agriculture Non-Point Source Pollution Prevention</b>	158	80	476	\$250,000						15
FP01136	Kittitas County Conservation District <b>Kittitas Sprinkler Irrigation &amp; Timothy Demonstration</b>	159	70	475	\$250,000						15
FP01213	Shelton City of <b>Goldsborough Creek Sanitary Sewer Crossing</b>	160	0	468	\$100,000						16
FP01033	Palouse-Rock Lake Conservation District <b>Rock Creek Scoping Project</b>	161	70	453	\$135,260						15
FP01020	Franklin Conservation District <b>Interactive Web Page Development</b>	162	90	445	\$78,150						15
FP01003	Almira Town of <b>Almira Monitor Well FY2001</b>	163	100	443	\$54,000						16
FP01015	Snohomish County <b>Countywide Riparian Plant Production Project</b>	164	90	443	\$215,625						15
FP01022	Granite Falls City of <b>Wastewater Treatment Plant Design &amp; Construction</b>	165	30	442	\$572,500						16

***Note: Footnotes are found after complete table. Draft Offer and Applicant List, Page 13***

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding			Loan Terms (years)	Loan Interest Rate	Footnotes
						Section 319 Funds	CCWF	SRF			
<b>FP01070</b>	Wahkiakum Conservation District <b>Design and Implementation Assistance Project</b>	<b>166</b>	<b>90</b>	<b>434</b>	<b>\$250,000</b>						<b>15</b>
<b>FP01121</b>	Benton County Public Works <b>Study of Stormwater Infiltration in Benton County</b>	<b>167</b>	<b>100</b>	<b>428</b>	<b>\$180,000</b>			<b>\$7,500</b>	<b>5</b>	<b>.5</b>	<b>12</b>
<b>FP01152</b>	Stanwood City of <b>Wastewater Activities Projects</b>	<b>168</b>	<b>80</b>	<b>424</b>	<b>\$150,000</b>						<b>16</b>
<b>FP01004</b>	Kent City of <b>Kent Wellhead Protection Program</b>	<b>169</b>	<b>90</b>	<b>423</b>	<b>\$152,306</b>						<b>15</b>
<b>FP01111</b>	South Yakima Conservation District <b>Dairy Waste Storage Pond Improvement</b>	<b>170</b>	<b>60</b>	<b>418</b>	<b>\$165,272</b>						<b>15</b>
<b>FP01221</b>	Whitman Conservation District <b>Snake River Sub Watershed Inventory</b>	<b>171</b>	<b>90</b>	<b>418</b>	<b>\$42,500</b>						<b>15</b>
<b>FP01159</b>	Mason Conservation District <b>Case Inlet Watershed Stewardship Project</b>	<b>172</b>	<b>0</b>	<b>408</b>	<b>\$152,800</b>						<b>15</b>
<b>FP01129</b>	Blaine City of <b>Wastewater Treatment - Solids Handling Improvements</b>	<b>173</b>	<b>40</b>	<b>408</b>	<b>\$444,500</b>						<b>15</b>
<b>FP01168</b>	Benton Conservation District <b>Water Contamination and Habitat Degradation Investigation</b>	<b>174</b>	<b>80</b>	<b>400</b>	<b>\$171,848</b>						<b>15</b>
<b>FP01192</b>	Mason County Department of Health Services <b>Lower Hood Canal O&amp;M Project</b>	<b>175</b>	<b>80</b>	<b>400</b>	<b>\$75,000</b>						<b>15</b>
<b>FP01107</b>	Kittitas Water District #6 <b>Develop Comprehensive Sewer Plan</b>	<b>176</b>	<b>0</b>	<b>398</b>	<b>\$15,000</b>						<b>16</b>
<b>FP01054</b>	Foster Creek Conservation District <b>Biologically Assessing Water Quality</b>	<b>177</b>	<b>90</b>	<b>395</b>	<b>\$72,500</b>						<b>15</b>
<b>FP01009</b>	Uniontown Town of <b>Wastewater Facilities Plan Amendment</b>	<b>178</b>	<b>10</b>	<b>395</b>	<b>\$80,000</b>						<b>16</b>
<b>FP01112</b>	Central Washington University <b>Watershed Information Center Phase 2</b>	<b>179</b>	<b>70</b>	<b>393</b>	<b>\$249,970</b>						<b>15</b>

***Note: Footnotes are found after complete table.     Draft Offer and Applicant List, Page 14***

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
FP01132	Lummi Indian Business Council <b>Historic-Scale Engineered Logjams Phase 3</b>	180	30	385	\$250,000						15
FP01171	Ridgefield City of <b>Wastewater Treatment Plant Expansion</b>	181	90	383	\$1,172,323						16
FP01017	Skagit County Sewer District No. 1 <b>Refinance of ULID</b>	182	0	378	\$762,220						16
FP01220	Anacortes City of <b>Stormwater Quality Management Plan Update</b>	183	0	375	\$187,500						15
FP01095	Cowlitz County <b>CSOB System Improvements Project</b>	184	80	370	\$2,500,000						16
FP01200	Thurston Conservation District <b>TCD Lagoon Aerator Demonstration</b>	185	40	368	\$183,889						15
FP01021	Washington State University <b>Pend Oreille Landowner Watershed Education</b>	186	0	368	\$39,902						15
FP01074	Walla Walla County Water District No. 2 <b>Touchet Sewer Facility Plan</b>	187	0	368	\$32,000						16
FP01158	Mason Conservation District <b>Sedimentation Prevention and Remediation Project</b>	188	0	360	\$69,000						15
FP01045	Reardan Town of <b>Reardan Wastewater Facility's Design</b>	189	80	355	\$130,000						16
FP01052	Seattle-King County Dept. of Public Health <b>On-Site Sewage System Monitoring Program</b>	190	40	353	\$125,250						15
FP01145	Kitsap County Public Works <b>Kingston Wastewater Treatment Plant</b>	191	5	352	\$10,279,050						16
FP01210	Lacey City of <b>Yelm Wetland Acquisition</b>	192	20	345	\$229,500			\$229,500	5	.5	9
FP01207	Lacey City of <b>Habitat Surveys for Little McAllister and Woodland Creeks</b>	193	50	325	\$35,156						15

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 15**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
<b>FP01036</b>	Pend Oreille Conservation District <b>Upper Pend Oreille Sub-Watershed Ranking</b>	<b>194</b>	<b>0</b>	<b>320</b>	<b>\$234,324</b>						<b>15</b>
<b>FP01098</b>	Spokane City of <b>Refinance Existing Sewer Bond Debt</b>	<b>195</b>	<b>60</b>	<b>310</b>	<b>\$3,907,819</b>						<b>16</b>
<b>FP01214</b>	Yacolt Town of <b>Capital Facility/General Sewer Plan</b>	<b>196</b>	<b>90</b>	<b>310</b>	<b>\$67,500</b>						<b>15</b>
<b>FP01206</b>	Lacey City of <b>Eagle Creek Sub-Basin Characterization</b>	<b>197</b>	<b>40</b>	<b>308</b>	<b>\$75,000</b>						<b>15</b>
<b>FP01218</b>	Anacortes City of <b>Monitoring of Vortec Storm Drainage Treatment Facility</b>	<b>198</b>	<b>0</b>	<b>305</b>	<b>\$10,000</b>						<b>15</b>
<b>FP01019</b>	Colton Town of <b>Colton Wastewater Treatment Plant Design</b>	<b>199</b>	<b>5</b>	<b>299</b>	<b>\$125,000</b>						<b>16</b>
<b>FP01035</b>	Pend Oreille Conservation District <b>Calispell Water Quality Watershed Management Plan</b>	<b>200</b>	<b>0</b>	<b>290</b>	<b>\$55,313</b>						<b>15</b>
<b>FP01134</b>	Whitman Conservation District <b>Demonstration Wildlife and Wetland Plantings</b>	<b>201</b>	<b>80</b>	<b>287</b>	<b>\$10,500</b>						<b>15</b>
<b>FP01090</b>	Snohomish City of <b>Amendment to CSO Reduction Plan</b>	<b>202</b>	<b>10</b>	<b>285</b>	<b>\$60,000</b>						<b>16</b>
<b>FP01197</b>	Island County Public Works <b>Agricultural BMP Program Review</b>	<b>203</b>	<b>0</b>	<b>273</b>	<b>\$208,125</b>						<b>15</b>
<b>FP01165</b>	Monroe City of <b>Eastside Interceptor</b>	<b>204</b>	<b>0</b>	<b>228</b>	<b>\$1,619,113</b>						<b>16</b>
<b>FP01149</b>	Whidbey Island Conservation District <b>Island County Agricultural BMP &amp; FMP Implementation</b>	<b>205</b>	<b>0</b>	<b>206</b>	<b>\$185,625</b>						<b>15</b>
<b>FP01148</b>	Washington State University <b>South Fork Palouse Restoration Project</b>	<b>206</b>	<b>5</b>	<b>195</b>	<b>\$122,295</b>						<b>15</b>
<b>FP01178</b>	Walla Walla County Regional Planning <b>Watershed Planning</b>	<b>207</b>	<b>0</b>	<b>178</b>	<b>\$146,250</b>						<b>15</b>

***Note: Footnotes are found after complete table.***      **Draft Offer and Applicant List, Page 16**

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Section 319 Funds	Proposed Funding CCWF	SRF	Loan Terms (years)	Loan Interest Rate	Footnotes
<b>FP01024</b>	Sunnyside Port of Manure to Pathogen-Free Compost and Renewable Energy	208	20	104	\$75,000						15
<b>FP01006</b>	Dayton City of Dayton Sewer Bond Defeasance	209	0	3	\$2,000,000						16
<b>FP01219</b>	Anacortes City of Oakes Avenue Storm Drain Improvements										17
<b>FP01216</b>	Anacortes City of Skyline Regional Stormwater Treatment Facility										17
<b>FP01126</b>	Blaine City of Wastewater Treatment Relocation - Facilities Plan										17
<b>FP01049</b>	Friday Harbor Town of Pump Station Repair										17
<b>FP01139</b>	Kitsap County Department of Public Works Suquamish Stormwater Quality Enhancement Retrofit										17
<b>FP01023</b>	LaConner Town of LaConner Integrated Constructed Wetland Project										17
<b>FP01131</b>	Lake Stevens Sewer District Wastewater Treatment Facilities Modifications										17
<b>FP01164</b>	Monroe City of Wastewater Treatment Plant Upgrade/Expansion										17
<b>FP01018</b>	Moses Lake City of Larson Sewage Treatment Plant Upgrade										17
<b>FP01191</b>	Port Townsend City of Wastewater Conveyance System Improvements										17
<b>FP01215</b>	Twisp Town of Wastewater Reclamation Feasibility										17

***Note: Footnotes are found after complete table. Draft Offer and Applicant List, Page 17***

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

**Footnotes:**

- 1) The applicant is proposed for extended grant payments in accordance with RCW 70.146, *Extended Grant Payments*, and Section 1019 of the 2000 Washington State Legislature Capital Budget.
- 2) The applicant is proposed for funding as identified in Section 1019 of the 2000 Washington State Legislature Capital Budget.
- 3) The applicant is proposed to receive small community funding as identified in Section 1019 of the 2000 Washington State Legislature Capital Budget.
- 4) Financial hardship was shown and a reduced loan rate and term is proposed.
- 5) Financial hardship was not shown and no reduction in loan rate and term is proposed.
- 6) The project involves installation of best management practices which must comply with *Water Quality Program Financial Assistance for FY 2001, Volume One: Guidelines*, Chapter 8, and *Volume 2: Appendices*, Appendix P.
- 7) A *Quality Assurance Project Plan* will be required.
- 8) The applicant is proposed to receive a grant from the Centennial Fund.
- 9) The applicant is proposed to receive a loan as shown in the FY 2001 SRF Intended Use Plan.
- 10) The applicant is proposed to receive a grant from the Section 319 fund.
- 11) The amount proposed reflects the amount remaining in a specific funding source (or in an SRF category), after higher priority projects were proposed for funding.

**Fiscal Year 2001 Centennial Clean Water Fund (Centennial), Washington State Water Pollution Control Revolving Fund (SRF),  
And Clean Water Act Section 319 Nonpoint Source Fund (Section 319) Draft Offer and Applicant List**

- 12) The amount requested reflects a grant request. No grant funds remain available after higher priority projects have been proposed for funding. The applicant indicated on its application that it would accept a loan for the project if grant funds were not available. Loan funds were available and the amount proposed is shown in the FY 2001 SRF Intended Use Plan. This amount may also include funds necessary for a local match. Loan acceptance must be confirmed in writing by August 2, 2000.
- 13) The applicant is only eligible for funding consideration through the Section 319 program. No Section 319 funds are available after higher priority projects were proposed for funding.
- 14) The amount proposed reflects a revised project cost after ineligible components were removed.
- 15) The applicant will not accept loan funding and no funding is proposed for this project.
- 16) No loan funds remain available in the SRF Facilities category after higher priority projects were proposed for funding.
- 17) The project is ineligible for funding consideration.

## **SUMMARY OF PROJECTS**

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FY 2001

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01001: Pomeroy City of: Wastewater Facilities Improvements: The project consists of high priority collection system improvements, upgrade and improving existing treatment facilities including construction of new aeration treatment components to provide efficient BOD, TSS, and ammonia removal. New treatment facility will include a new influent lift station, mechanical screen, selector tanks, aeration basins, secondary clarifiers, and ultraviolet light disinfection equipment.
FP01002: San Juan County Health and Community Services: San Juan On-Site Failure Repair: This project will continue to provide revolving loan funds to property owners in San Juan County for the repair of failing on-site septic systems. Eligible recipients will be identified through marketing and through education of on-site septic system contractors (designers, installers, pumpers, O&M).
FP01003: Almira Town of: Almira Monitor Well FY2001: This will be a water quality monitoring project consisting of the construction of up to four monitoring wells, as specified in Chapter 173-160 WAC. If the wells indicate the presence of ground water, a monitoring/testing program will be initiated for a period of eight calendar quarters (two years) and samples will be tested by a certified laboratory for six NPDES permit parameters and seven permit metal parameters. Test results will be evaluated for the presence or absence of ground water contamination.
FP01004: Kent City of: Kent Wellhead Protection Program: Ground water modeling will improve the knowledge of the hydro-geologic framework of the regional aquifer. The current calculated fixed radius method is insufficient for wellhead protection. Completion of the project will provide management strategies to assist staff and elected officials in making wise policy decisions, protecting potable water supplies and aquatic habitat.
FP01005: Shoalwater Bay Indian Tribe: Shoalwater/Tokeland Aquifer Study: This project will describe the source area and age of ground water under the Shoalwater Bay Reservation and Tokeland Peninsula using carbon-14 and tritium analysis, which will determine if the ground water is modern (post 1953) or pre-modern. Pre-modern ground water has low susceptibility to contamination from human activities on the land surface.
FP01006: Dayton City of: Dayton Sewer Bond Defeasance: The City has issued several million dollars in revenue bonds to help pay for a sewer plant rehabilitation at about five percent average interest. A low interest loan would allow us to defeasance these bonds and consequently charge a much lower utility rate to a low income community.
FP01007: Adams Conservation District: Agriculture Non-Point Source Pollution Prevention: This nonpoint source pollution reduction project is designed to reduce sediment and associated pollutant loadings to impaired water bodies contributed from Adams County through implementing a variety of BMPs including innovative erosion control practices. This project will monitor effects of BMP implementation.
FP01008: Garfield Town of: Rural Development Loan Transfer to SRF Loan: The Wastewater Facilities Improvement project is now complete and consisted of converting the existing trickling filter process to an activated bio-filter process. The town of Garfield is requesting to refinance their Wastewater Facilities Improvement project from a Rural Development 4.5 percent loan to an Ecology 1.5 percent, 20-year loan.
FP01009: Uniontown Town of: Wastewater Facilities Plan Amendment: The date of the town of Uniontown's Wastewater Facilities Plan, is June, 1977. This 1977 Plan is out of date. The Town needs to complete an amendment to the 1977 plan in order to define their needs, options for improvements, and set goals for future planning.
FP01010: Adams Conservation District: Cow Creek BMP Implementation Project: The goal of the project is to reduce nonpoint source pollution. The objective is to implement BMPs to reduce nonpoint source pollution contributions from agricultural activities. Efforts include: Install offsite water supply for winter feeding operation; Implement riparian enhancements; Establish gully erosion control; Implement critical seeding and erosion protection.
FP01011: Adams Conservation District: Palouse River Partnership: The goal of the project is to initiate the Palouse River Watershed Action Planning and collect water quality information. The objective is to form Palouse River Watershed Management Committee (Partnership) to initiate planning efforts, verify current water quality status in the Lower Palouse River, and Determine pollutant contributions from Cow Creek watershed.
FP01012: Pullman City of: Comprehensive Stormwater Management Plan: The project includes preparation of a Comprehensive Stormwater Management Plan, meeting the requirements of the DOE Basic and Comprehensive Program, which identifies stormwater quality problems and evaluates structural and non-structural means of improving and protecting the water quality of the South Fork of the Palouse River and tributaries in Pullman.

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01013: Snohomish County: Citizen-Based Public Involvement Campaign: Assess Snohomish County citizen knowledge, awareness, and behaviors related to water quality and salmon recovery. Based on assessment, target public involvement programs to foster awareness and behavior changes to improve water quality and salmon recovery. Conduct follow-up assessment to measure program success and guide future programming.
FP01014: Snohomish County: Ground Water Management Plan Implementation: This project implements management recommendations in the Snohomish County Ground Water Plan including: Preparing a sub-basin plan to characterize ground water hydrology, and identify problems and solutions. Develop criteria for defining Critical Aquifer Recharge Areas and development standards for those areas. Developing a database for ground water data.
FP01015: Snohomish County: Countywide Riparian Plant Production Project: Develop a self-sustaining production program that supplies native plants to riparian projects by training high school/college horticulture students, farmers, and nurseries to collect seeds and grow native shrubs, grasses, and sedges that effectively filter nonpoint pollutants from runoff. Build an educated volunteer base to support all aspects of this project.
FP01016: Issaquah City of: Tibbetts Creek Restoration/Sediment Control: The project implements the Tibbetts Manor segment of the Tibbetts Creek Greenway Project, which will restore 2.2 miles of degraded stream in the City. Project includes 1000 feet of channel, riparian and floodplain restoration, and a sediment control facility. The project will enhance fish and wildlife habitat and intercept sediment from upstream sources that currently impact downstream reaches and Lake Sammamish.
FP01017: Skagit County Sewer District No. 1: Refinance of ULID: Sanitary System Improvements, new pumps, etc., transmission line to town of LaConner, hook up fee to town of LaConner, buy in capacity from LaConner, inflow/infiltration repair.
FP01019: Colton Town of: Colton Wastewater Treatment Plant Design: Design of an extended aeration treatment facility to replace existing facultative lagoons. Replacement needed to meet State water quality criteria for ammonia. Discharge to Union Flat Creek, Class A by default, with Summer 7Q10 flows of 0.1 cfs. Approved facility plan recommends construction of extended aeration treatment plant.
FP01020: Franklin Conservation District: Interactive Web Page Development: This project addresses the problem of elevated nitrate levels in ground water in Franklin County by creating an interactive web page for growers to access technical data on soil, topography and nitrate levels specific to their field areas. This data, and irrigation management information provided, can be used to apply practices to reduce impacts on water quality. The web site will also provide the general public information on water quality issues, what they can do to reduce their exposure, what local agencies are doing, and where to find additional information.
FP01021: Washington State University: Pend Oreille Landowner Watershed Education: This project will establish a nonpoint pollution and water conservation landowner education program in Pend Oreille County in collaboration with the local community via the watershed planning process, and through Cooperative Extension extended learning opportunities.
FP01022: Granite Falls City of: Wastewater Treatment Plant Design & Construction: The city of Granite Falls is upgrading and expanding its wastewater treatment facility. The project includes the addition of submersible mixers and a clarifier to increase the operational efficiency of the facility and conversion from chlorine to ultraviolet disinfection in order to comply with the City's new NPDES permit.
FP01024: Sunnyside Port of: Manure to Pathogen-Free Compost and Renewable Energy: The end result of this study is converting dairy manure to pathogen-free compost and renewable energy. A feasibility study for this operation was started two years ago by DES as a private-venture investment study. When the company changed Chief Executive officer, the philosophy of the company changed from investment venture to non-owned projects. At that point the feasibility study stopped and it is now necessary to: Update and complete the feasibility study by (1) establishing the type of ownership (private, co-op, publicly owned), (2) solidifying the letters of intent by dairymen to participate, (3) insuring that compost sales are secured, and (4) securing letters of intent to utilize the byproducts of the process (methane, carbon dioxide, pathogen-free compost).
FP01025: Tieton Town of: Water Reclamation Facility: Construct a water reclamation plant and reuse facility to beneficially utilize the Town's municipal wastewater in an environmentally acceptable manner. The new plant includes biological treatment with nitrogen removal, filtration and high level disinfection to provide a number of long-term beneficial reuse alternatives, including streamflow augmentation, irrigation and ground water recharge.

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01026: Granger Town of: Wastewater Treatment Improvements Design and Construction: Design and construct improvements to the town of Granger wastewater treatment facility, including new oxidation ditch aeration equipment, a new emergency generator, and UV disinfection. Projects will improve plant reliability and allow more stringent effluent limits to be met for residual chlorine and ammonia to protect water quality in the Yakima River.
FP01027: Centralia City of: Centralia Wastewater Treatment Plant: Approved wastewater facilities plan, general sewer plan and EIS recommend construction of a new wastewater treatment plant to comply with a TMDL. This project is design, permitting, and construction of the wastewater treatment plant and outfall to be located on the Flying T site owned by the city of Centralia.
FP01028: Coupeville Town of: Wastewater Treatment Plant Expansion: The project will improve wastewater treatment plant reliability, flow capacity, and solids loading capacity and incorporate improved disinfection technology. Project components include: Effluent pumping capacity; Standby generator for all treatment functions; Second clarifier; Second oxidation ditch with selector tank; UV disinfection. The project will preserve and enhance Penn Cove water quality.
FP01029: Pateros City of: Wastewater Treatment Plant: As documented in numerous studies, the City's wastewater treatment facility is operating at or beyond its design capacity. The project will replace the existing treatment plant with a new plant located on the same site.
FP01030: Coupeville Town of: 1999 Comprehensive Sewer Plan (Refinancing): The plan is a two-part document - the Comprehensive Sewer Plan and Wastewater Treatment Plant Facilities Plan. The plan, last completed in 1981, identifies a capital improvement plan for the system. The plan meets a NPDES permit requirement for a plan and schedule to maintain wastewater treatment plant capacity.
FP01031: Clallam Conservation District: Lower Dungeness Watershed Restoration Project: This project involves the restoration of instream and riparian habitat and nonpoint pollution control in Matriotti and Cassalery creeks. Each of three targeted project sites has been severely degraded by agricultural land use and has been identified as a significant contributor of fecal coliform bacteria and sediment.
FP01032: Clallam Conservation District: Dungeness Irrigation Water Quality Improvement: The principle goal of this project is to reduce contamination of irrigation tailwater by tight-lining ditches. Tailwater re-regulating reservoirs will be constructed to reduce or eliminate tailwater. Where nonpoint pollution control is impractical and tailwater cannot be eliminated but wetland treatment of irrigation tailwater is feasible, wetlands will be designed.
FP01033: Palouse-Rock Lake Conservation District: Rock Creek Scoping Project: This project will monitor water quality and inventory the conditions in the Rock Creek Watershed (WRIA 34). Each of the major tributaries in the watershed will have a monitoring station to determine its contribution to the Rock Creek watershed. Data collected will help define water quality problems within the watershed and enable planning efforts.
FP01034: Clark Public Utilities: La Center Sanitary Sewer System Infiltration & Inflow Study: Clark Public Utilities owns and operates the La Center sanitary sewer system. CPU proposes to conduct a study of the wastewater collection system to determine the locations at which extraneous water (also termed infiltration and inflow - I/I) enters the system, the amount of I/I entering the system at these locations, and the methods that might be used to control I/I.
FP01035: Pend Oreille Conservation District: Calispell Water Quality Watershed Management Plan: To develop a water quality watershed management plan for the Calispell Watershed. The current planning efforts and programs in this watershed need an inclusive plan to direct future activities, document water quality data, identify projects and coordinate agencies and landowners in maintaining watershed health.
FP01036: Pend Oreille Conservation District: Upper Pend Oreille Sub-Watershed Ranking: Characterize 24 sub-watersheds in the northern half of Pend Oreille County. Data will be collected on 20 streams emptying into the Pend Oreille River; 16 containing Westslope Cutthroat, and 5 containing both Westslope Cutthroat and Bulltrout. Three streams and the Pend Oreille River are on DOE's 303d list.
FP01037: Public Utility District No. 1 of Stevens County: Waitts Lake Sewer System Loan Financing: Construct a complete public sewer system for the existing unincorporated community of Waitts Lake. The system consists of a septic tank/effluent pump (STEP) collection system, and aerated facultative lagoon treatment with storage lagoon, and spray irrigation final disposal. The treatment plant also serves the unincorporated community of Valley. There was no existing public sewer system. The new system replaced existing on-site sewers.

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01038: Public Utility District No. 1 of Stevens County: Clayton Sewer System Loan Refinancing: Construct a complete public sewer system for the existing unincorporated community of Clayton. The system consists of a septic tank/effluent pump (STEP) collection system, and recirculating sand (gravel) filter treatment system with a pressure drainfield for final disposal. There was no existing public sewer system. The new system replaced existing on-site sewers.
FP01039: Public Utility District No. 1 of Stevens County: Valley Sewer System Loan Financing: Construct a complete public sewer system for the existing unincorporated community of Valley. The system consists of a septic tank/effluent pump (STEP) collection system, and aerated facultative lagoon treatment with storage lagoon, and spray irrigation final disposal. The treatment plant also serves the unincorporated community of Waitts Lake. There was no existing public sewer system. The new system replaced existing on-site sewers.
FP01040: Kent City of: Wellhead Protection Integrated Pest Management: Integrated Pest Management will provide water resource managers knowledge of pesticide application rates within critical aquifer recharge areas and possible effects to surface water features and aquatic habitats. Management strategies will be developed to work with property owners using alternative methods to current pesticide application practices.
FP01041: Washington State University: Watershed Stewards Training Program: The program will provide training and volunteer coordination in four different regions in watershed processes that will effectively build community capacity to protect and restore water resources. The program will develop community leadership and create partnerships among residents, local organizations, businesses, and agencies to collectively address priority watershed issues.
FP01042: Jefferson County: Jefferson County Surface Water Plan: Phase One of the Surface Water Management Plan for Jefferson County will identify requirements for a county-wide Surface Water Management Plan. Phase Two will allow the county to develop a plan to address water quality, quantity, and habitat using the requirements identified in Phase One.
FP01043: Jefferson County: On-Site Sewage Operation/Maintenance Program: Proper maintenance of on-site sewage disposal systems prevents failures and water quality degradation. Jefferson County will expand its existing operations and maintenance program and provide citizen education. This project will consist of ordinance implementation, staff training, data system development, and public workshops to improve understanding and compliance with new requirements.
FP01044: Jefferson County: Septic Repair Revolving Loan Fund: This project will continue the successful ongoing program to provide low interest loans to qualified homeowners to repair and upgrade on-site sewage disposal systems. Continued implementation of the program will assure that failing and substandard systems do not cause degradation of water quality and endanger public health.
FP01045: Reardan Town of: Reardan Wastewater Facility's Design: This project is to complete the design for the upgrade to our wastewater treatment plant.
FP01046: Fairfield Town of: Wastewater Treatment Facility Improvements: The current treatment facility consists of two facultative lagoons, and has been labeled non-compliant by DOE. This is a facility construction project, which includes: Purchase of 15 acres of land; new aerated lagoon; constructed wetlands; flow equalization; influent screening; effluent disinfection; 2 lift stations; site piping, fencing, roads, landscaping.
FP01047: Whatcom County Health & Human Services (HHS): On-Site Sewage System (OSS) Permit Scanning Project: On-site sewage system (OSS) records management and operation and maintenance (O&M) activities will be enhanced by scanning and filing, by tax parcel number, all OSS permits into the existing Health & Human Services OSS database. Providing accurate OSS permit information to property owners and licensed professionals will assist them in OSS O&M activities. Facilitating O&M activities will lead to improved water quality by increasing awareness of potential impacts from OSS and the need for on-going O&M. Failing OSS may be identified and repaired, decreasing impacts to water resources.
FP01048: Colfax City of: Colfax I/I Removal - Phase 2: The project is located in an area identified in the City's Comprehensive Sewer Plan/Wastewater Facilities Plan as being a major contributor of I/I to the City's Sanitary Sewage Collection System. The City has identified the following approach to eliminating the I/I in this area. Video tape the existing line - this will allow the City to quantify the effectiveness of the repairs. Replace/repair existing failing manholes which contribute to the I/I in the area. Install a PVC liner inside the existing sanitary sewer line.

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01050: Cowiche Sewer District: Cowiche WWTP Improvements: The Cowiche Sewer District WWTP Improvement Project proposes to construct facility improvements that will allow the WWTP to produce Class A stream water quality effluent. The Sewer District is under WSDOE Notice of Violation and is required to meet water quality standards. Treatment facilities include extended aeration activated sludge with a single aeration basin, floating mixer/aerator, and two concrete lined sequencing decant basins.....
FP01051: Roza-Sunnyside Board of Joint Control: On-Farm Irrigation Conversions: RSBOJC proposes irrigation conversion projects to reduce sediment and associated pollutants in the Yakima River. This reduction in sediment delivery will be achieved by converting erosive methods of irrigation to best management practices. Irrigation water management, as well as nutrient and pesticide management, will also be achieved from the converted acreage. The water quality below the Parker Reach of the Yakima River will be improved by reducing the amount of turbidity, nutrients, pesticides and bacteria associated with sediment loads. The reduction of sediment in the Yakima River will enhance fish and wildlife habitat.
FP01052: Seattle-King County Dept. of Public Health: On-Site Sewage System Monitoring Program: This project establishes a program for ongoing maintenance of on-site sewage systems (OSS). The program includes notification and tracking to ensure periodic monitoring and maintenance of all OSS in King County. Specific activities include developing educational and publicity materials, tracking forms, and data bases; contacting OSS owners; and tracking compliance.
FP01053: Mansfield Town of: Sewer System Operating Permit Requirements: This project is to complete the requirements of the town of Mansfield State Waste Discharge Permit #ST-9109 for the operation of its sewage collection and treatment system. A number of the actions were initially identified in the Town's Sewer Collection and Treatment System Engineering Report (April 1995).
FP01054: Foster Creek Conservation District: Biologically Assessing Water Quality: Conduct biological assessments of WRIA 50's waters and use GIS to map land use activities in order to establish a correlation between land use activities and the biological integrity of the waters. The results will be incorporated into an intensive educational program to encourage implementation of good, on-the-ground water quality conservation practices.
FP01055: Foster Creek Conservation District: Protecting Water for People and Fish: To enhance water quality and wildlife habitat in Douglas County through a grassroots, voluntary approach. Specific projects will include eliminating a severe erosion problem, reducing riparian/livestock impacts and increasing baseline data and knowledge. A proactive educational effort will also be an integral part of this grant.
FP01056: Okanogan Conservation District: Methow Watershed Irrigation Water Management: Provide technical assistance to WRIA 48 irrigators, with focus on the irrigation districts that are facing regulatory control by NMFS. The Okanogan Conservation District will provide water management training and technical assistance to irrigators that are withdrawing water from priority and 303(d) listed streams to enhance existing water savings programs.
FP01057: Skagit County: Additional Subsurface Effluent Disposal Field: Additional disposal area is needed for disinfected effluent from sewage treatment facility for Edison, located in a shellfish protection district. Additional absorption area would create a larger dispersal subsurface area, preventing effluent entering adjacent waterbody, which flows to Samish Bay, and shellfish growing area.
FP01058: Prosser City of: Prosser Wastewater Treatment Plant Improvements: The city of Prosser is proposing to construct improvements to its wastewater facilities to meet stringent wastewater discharge requirements, and reduce suspended solids loading to the Yakima River. Major system improvements include headworks, intermediate clarifier, effluent pumping system modifications, installation of a polymer feed system, and anaerobic digester repairs.
FP01059: Western Washington University: Nitrate Contamination: Abbotsford-Sumas Aquifer: This project will monitor ground water nitrate and related species associated with agronomic loading in a portion of the Abbotsford-Sumas aquifer. The objective is to quantify impacts due to local and Canadian land-use practices and assess the effectiveness of Ecology's dairy enforcement program, best management practices, and dairy nutrient management plans.
FP01060: Conconully Town of: Wastewater Facility Plan: Prepare a wastewater facility plan that contains a treatment system assessment, sprayfield management plan, public health protection and ground water monitoring plan. The plan includes analysis and update of operation and maintenance procedures and the sewer use ordinance. The plan will comply with Conconully's new state waste discharge permit.

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01061: Toppenish City of: Wastewater System Improvements (Refinance): Refinance USDA-RD loan for design and construction of improvements to wastewater treatment facilities and rehabilitation of a portion of the existing collection system to provide facilities with adequate capacity to treat current and future loadings, and to protect ground water and domestic water sources from contamination due to exfiltration.
FP01062: Mansfield Town of: Refinancing of Sewer Line Replacement: This proposal involves the refinancing of an existing Rural Development loan which the Town secured as partial funding for improvements on their sewage collection system. The project replaced over 18,000 linear feet of collection line using a pipe bursting technique. The old concrete pipe was replaced with high density polyethylene.
FP01063: Okanogan County: Conconully Lakes Wastewater System Refinance: This project is complete. Funding is necessary to refinance high interest General Obligation Bonds used to construct a STEP sewer system. The interest savings will save the project \$8,000 per year and directly benefit the rate payers. The original project was required to meet the requirements of a Federal Order and to remove an identified health hazard caused by untreated household sewage entering the waters of the Conconully Lakes.
FP01064: Kalispel Natural Resources Department: LeClerc Creek Riparian Restoration Project: Fencing and restoration of riparian area degraded by grazing. Area is on USFS land and that agency has fenced part of the degraded area. This project will complete fencing and revegetate grazed riparian areas. The LeClere System has bull trout and westslope cutthroat trout populations.
FP01065: Concrete Town of: Wastewater Collection and Treatment Improvements (Design Only): The project will construct improvements to the Town's three sewage lift stations and replace the existing wastewater treatment facility to provide wastewater collection, treatment, and disposal facilities that meet Department of Ecology's standards for water quality and operational reliability.
FP01066: North Bend City of: Sewer System Improvements (Phase 2): The city of North Bend conducted an I/I study that identified unsound sewer lines contributing excessive I/I to the collection system. The I/I study recommended that improvements to the collection system be conducted in two phases. The Phase 1 improvements were constructed during the Summer of 1998 and replaced approximately 6,000 lineal feet of sewer mainlines and associated side sewers from the main to the property line. The Phase 2 project represents a continuation of the overall project to further reduce I/I. Approximately 2700 lineal feet of sewer main and 1100 feet of side sewer will be replaced.
FP01067: Klickitat County: Local OSS Loan Program: This local on-site sewage disposal system loan program would provide homeowners and others assistance in repairing failing systems that otherwise would have a negative impact on surface water, ground water, and public health. While the program will be available county wide to individuals who meet eligibility requirements, priority will be given to known problem areas that have high fecal coliform bacteria counts in surface water.
FP01068: Chehalis River Council: Shade the Chehalis: Cost share with 40 small watershed landowners in WRIAs 22 and 23 to plant native vegetation in areas needing streambank protection. The 1992 Action Plan and others document erosion, lack of woody debris, and high summer water temperature caused by the lack of a tree canopy to shade the water.
FP01069: Skamokawa Water & Sewer District: Skamokawa Community Sewer Project: In accordance with steps outlined in the Skamokawa Sewer and Water District's Capitol Facilities Plan the District is seeking funds for design and construction of a STEP system and purchase of an existing wastewater treatment facility for 60 additional hook-ups.
FP01070: Wahkiakum Conservation District: Design and Implementation Assistance Project: Work directly with landowners to develop conservation plans, provide practice design assistance, and identify sources of nonpoint pollution. Landowners will receive the tools necessary to prevent future problems, and correct current problems. The Districts watershed approach to identifying nonpoint pollution sources and corrective measures allows for community level assistance.
FP01071: Whitman Conservation District: Water Quality Awareness: This countywide proposal addresses the sedimentation from our area in relation to salmon/fish habitats and the water quality of our streams. The objective is to focus on water quality through education and to provide public awareness through the activities performed.

**Fiscal Year 2001 Centennial Clean Water Fund, Washington State Water Pollution Control Revolving Fund,  
Clean Water Act Section 319 Nonpoint Source Fund: Project Summaries**

<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01072: Snohomish Conservation District: Stillaguamish-Snohomish Fish Habitat Improvement: Snohomish Conservation District will encourage and assist rural and agricultural landowners in implementing fish habitat improvements in WRIs 5 and 7. Subbasins on the 303(d) list and actions recommended in salmon recovery plans and DOE-approved watershed plans will be the focus of the project. Instream and riparian improvements will be implemented.
FP01073: Snohomish Conservation District: Fish Friendly Farm BMP Implementation: Snohomish Conservation District will develop Fish Friendly farm plans using NRCS standards that address nutrients, sediment, waste management and riparian zones to improve water quality and fish habitat. Salmon Recovery Plans, TMDL implementation plans, habitat assessments, ESA 4(d) rules and local ordinances will apply in determining the scope and extent of farm plans.
FP01074: Walla Walla County Water District No. 2: Touchet Sewer Facility Plan: Walla Walla County Water District #2 is seeking funding to hire an engineering firm to prepare a facility plan. The District will use the plan to schedule repairs and upgrades to the sewer collection and treatment system determined in the plan.
FP01075: Winthrop Town of: Comprehensive Sewer and Stormwater Plans: The project involves preparation of two plans: 1) an update of the 1987 Comprehensive Sewer Plan and 2) a Stormwater Drainage Plan. The plans represent a focused step forward in addressing concerns about the Town's ability to meet NPDES permit requirements and to prevent any future degradation of water quality in the Methow and Chewuch Rivers.
FP01076: Upper Grant Conservation District: Bi-Lingual Mobile Irrigation Laboratories: Four conservation districts in Grant and Adams counties propose to provide one-on-one technical assistance to irrigators on at least 24,000 acres of mainly rill-irrigated ground. Many of these irrigators are Hispanic and do not speak English. We will provide technical assistance and information in both English and Spanish.
FP01077: Brewster City of: Wastewater Treatment Plant Design: The City needs to replace outdated and marginally functioning components of Brewster's wastewater treatment plant, bringing the system into compliance with state and federal water quality regulations. The project is preparation of approved, construction-ready engineering design and related documents for improvements to the headworks, oxidation ditch, clarifier, chlorination system, and biosolids management. The intent of the project is to prepare the City for Step 3 in Ecology's Step system.
FP01078: Snohomish Conservation District: Riley Slough Habitat Enhancement Project: Over time, Riley Slough has undergone significant water quality impacts including flooding, loss of riparian habitat, invasion of non-native species and heavy siltation of the stream channel. The goals of this project are to improve water quality and restore riparian habitat. This will be accomplished by removing invasive species from the banks, re-planting native shrubs and conifers and placing woody debris in the channel.
FP01079: Spokane County: Refinancing of Spokane County Septic Tank Elimination Projects: Loan proceeds will be used to repay LTGO bonds sold in 1998 and 1999. These bonds cover the cost to design and construct sewer projects to remove septic systems from above the Spokane-Rathdrum sole source aquifer. The projects were constructed in 1996 through 2000 and are part of the Extended Payment Grant Agreement with DOE.
FP01080: Pe Ell Town of: Wastewater Treatment Facility Design: The project involves design of a new wastewater treatment plant, as proposed in the Town's approved Facility Plan. Design will also include a new outfall, biosolids handling facilities, an office, and laboratory.
FP01081: Pe Ell Town of: Sewer System Improvements: The project involves design, construction, construction inspection, and construction management of sewer system improvements to reduce infiltration and inflow, including replacement of selected sewer lines as well as rehabilitation of additional sewer lines.
FP01082: Pierce Conservation District: Pierce Conservation District Technical Assistance: This grant proposal is an effort by the Pierce Conservation District to address water quality degradation created from small acreage livestock operations in Pierce County. This grant, if funded, will provide on the ground technical assistance for the installation of agriculture water quality best management practices.
FP01083: Bremerton-Kitsap County Health District: Upper Union River Restoration Project: A comprehensive, and proven, pollution identification and correction program will be used to reduce fecal coliform (FC) levels in the Upper Union River Basin to meet state water quality standards. Union River is a 303(d) waterbody for FC bacteria and a TMDL is being developed by Ecology.

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<b>Application number: applicant name: proposed project name: Description (from application)</b>
FP01084: Bellingham City of: Stream Management and Education Project: Comprehensive watershed planning, project implementation, and educational programs will control nonpoint pollution throughout two urban watersheds. Existing information combined with vegetation inventories will provide information for; prioritization of restoration projects, recommendations for integration of City regulations and management practices, and specific watershed information details included in two public education programs.
FP01085: Spokane County Conservation District: Hangman Creek Clean Water Program: The Hangman Creek Clean Water Program entails working with the entire watershed, but focuses on critical subwatersheds. The Rattler's Run watershed has been chosen due to its' high delivery rate of suspended sediment and nutrients to the mainstem of Hangman Creek. This project is designed to reduce sediment and nutrient loading by planning and constructing series of sediment basins, grassed waterways, riparian buffers and other eligible best management practices.
FP01086: Spokane Aquifer Joint Board: Spokane Wellhead Protection Program Implementation: Initiate Spokane Area Wellhead Protection Program implementation activities to reduce the threat of contamination of ground water incident to public drinking water supply wells. This two-year startup project includes public education, proactive assistance to businesses, and developing and maintaining a regional database inventory of potential contaminant sources.
FP01087: Clark County Department of Public Works: De-Watering Facility for Vactor Waste - Phase 2: Clark County intends to upgrade and expand its existing Whatley Stormwater Decant Facility. The facility is designed to treat and manage street or vactor waste. These wastes include liquid and solid wastes collected during maintenance of stormwater catch basins, detention/retention ponds and similar stormwater treatment and conveyance structures. The proposed upgrade is the second phase of the development of the facility and, hence, the project is referred to as Phase 2.....
FP01088: Marine Science Society of the Pacific Northwest: Nearshore Habitat Evaluation & Enhancement: Highly visible program designed to restore riparian vegetation in 7500 linear feet of shoreline demonstrating strong community support & involvement related to public education & water quality monitoring projects. Protecting salmon habitat and reducing harmful effects of further shoreline degradation through fundamental project-based learning while implementing strategic watershed improvements.
FP01089: Pacific Conservation District: Willapa River TMDL Issues: The Willapa River TMDL Study Data Summary Report and the 1998 Washington State 303(d) List has cited the Willapa River for exceeding state water quality standards for temperature, dissolved oxygen, and fecal coliform. Natural Resource Conservation Service farm plans will be developed and practices implemented to improve water quality in the Willapa River.
FP01090: Snohomish City of: Amendment to CSO Reduction Plan: This project is an Amendment to the City's adopted and approved 1993 CSO Reduction Plan, as required in the 1999 draft NPDES Permit for the Snohomish WWTF. The facilities will consist of a trunk line to intercept two combined sewer overflows and treat the flows in the former wastewater treatment lagoon.
FP01091: Okanogan County: Implement Methow (WRIA 48) Water Management Plan: The project will implement the preliminary water management plan developed in conjunction with the Methow Basin Planning Unit. A modeling tool will be finalized and implemented that will allow for an assessment of streamflows and basic water quality parameters under different management and climatic scenarios.
FP01092: Okanogan County Water Resources Department: Methow Basin Ground Water Study: The proposed study will initiate the analysis of interactions between ground water and streamflow in the Methow Basin, and focus on how this interaction is influenced by an irrigation diversion project in one sub-basin. The study is essential to the development of water management tools and conservation measures aimed at recovering populations of salmonid fishes that are listed under the Endangered Species Act.
FP01093: Okanogan County Water Resources Department: Methow Basin Water Conservation Monitoring: This project will develop technical criteria and field assessment protocols to monitor the effectiveness of water and habitat conservation measures that are being implemented to recover listed salmonid populations in the Methow River Basin. Stream flow and irrigation diversion gauging, and fish screen monitoring will be initiated immediately to determine compliance with ESA take prohibition. Stream and irrigation system data will also be input to hydrologic models being developed for water conservation management.

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FP01094: Clinton Water District: Clinton Comprehensive Sewer Plan: The Clinton Water District is working toward the construction of a wastewater collection, treatment, and disposal system in the Clinton area. Our proposed activity project is to produce an approved Comprehensive Sewer Plan, which is the next step in the process.
FP01095: Cowlitz County: CSOB System Improvements Project: Construction of improvements of the regional wastewater collection and treatment system to eliminate raw sewage overflows and provide capacity for growth.
FP01096: Spokane City of: Cochran Basin I/I Facility Plan: Cochran Basin was separated during the CSO projects of the 1980's. During development of the current Wastewater Facilities Plan, grossly excessive I/I was detected in the Cochran Basin. This project will identify the sources, and has the potential of reducing peak interceptor flows by 13 MGD or more.
FP01097: Spokane City of: Cowley Creek Diversion: Cowley Creek emerges from ground water springs near Sacred Heart Hospital. It is currently connected to the combined sewer. This project will intercept approximately 150,000 gpd, and by using recently abandoned water mains and some new construction, route the flow separately approximately 1 1/3 miles to the Spokane River.
FP01098: Spokane City of: Refinance Existing Sewer Bond Debt: The projects financed by the proceeds of the City's series 1989 sewer bond issue consisted of CSO sewer separation projects, and sewer construction for the elimination of septic tanks situated over the City's sole source aquifer.
FP01099: Kennewick City of: Ultra Violet Disinfection Facility: This project would replace the current chlorination system for the Wastewater Treatment Plant effluent. This Ultra Violet disinfection system would address issues with disinfection byproducts in the effluent and mitigate effects on the important Columbia River quality.
FP01100: Cheney City of: Cheney Wastewater Treatment/Reclamation Project: In 1988, in response to an order from the WSDOE, the City of Cheney began the process of planning, designing, and constructing the \$17.8 million Cheney Wastewater Treatment and Reclamation Project, which, upon its completion in 1995, has enabled the City to comply with the Clean Water Act discharge parameters.
FP01101: Palouse Conservation District: Palouse River Riparian Revegetation Project: Based on strong landowner support and successful implementation in the South Fork Palouse watershed, we wish to revegetate more than sixteen miles of riverbank and three hundred acres of riparian area along the Palouse River. By matching federal conservation funds with state water quality funds, we can get twice the implementation for the same money and provide economically burdened landowners with the means to revegetate and protect their riparian areas. This will result in improved water quality in the Palouse River.
FP01102: Enumclaw City of: Enumclaw WWTP Improvements - Planning: The project consists of planning efforts as the first step towards the implementation of improvements to the City's WWTP. The improvements will serve to replace aging existing facilities. Planning for the facilities will take into account the potential need for future improvements to comply with nutrient removal requirements.
FP01103: Jefferson County Conservation District: Chimacum Watershed Plan: Estuary Phase: The project will provide coordinated water quality improvement and habitat restoration implementation by compiling existing data, identifying data gaps, prioritizing actions and providing pre and post-project monitoring as the basis for adaptive management in the summer chum spawning grounds, estuary and nearshore area of Chimacum Creek.
FP01104: King County Department of Transportation and Natural Resources: Long-Term Effectiveness of Sand Filters: Sand filters are increasingly used for stormwater treatment in the Puget Sound area; however, sufficient data are lacking on the long-term effectiveness. This project will study three sand filters under various pollutant and hydraulic loadings to assess the effectiveness in meeting the state's water quality standards and Endangered Species Act requirements.
FP01105: Stanwood City of: Wastewater Facilities Design: To address existing deficiencies and accommodate anticipated growth, capital improvement projects were identified in the Facilities Plan for the wastewater collection system and the treatment plant. This project consists of increasing the size of various gravity trunk mains and upgrading the existing lagoon facility to an activated sludge process.

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FP01106: Marysville City of: Watershed Plan Implementation: Purpose of the grant is to implement recommendations in the Quilceda/Allen Watershed Management Plan. 1) Education element - Q/A recommendation #91; Ground Water Celebration and Water Festival. 2) Regulatory element - Q/A recommendation #96; Streams and Wetland Corridors. 3) Technical element - Hire intern to conduct initial riparian assessment of Quilceda Creek.
FP01107: Kittitas Water District #6: Develop Comprehensive Sewer Plan: The wastewater treatment plant owned and operated by Kittitas Water District #6 (Vantage, WA) experiences hydraulic and organic slug loadings due to transient population fluctuations. A comprehensive sewer plan is needed to provide a recommended solution, meet county GMA guidelines, and qualify the District for funding.
FP01108: South Yakima Conservation District: GIS Land Use Characterization: The objective is building SYCD's GIS capacity in aiding resource management, BMP implementation, and water quality decision making. Project priority is mapping the Sulphur Creek drainage field boundaries, cropping patterns, and irrigation methods used for spatial analysis in decision making and resource focus.
FP01109: South Yakima Conservation District: Sulphur Creek Agricultural BMPs: Provide technical assistance to farmers implementing BMPs. The BMPs will be site-specific, meet NRCS specifications, and designed to reduce sediment and nutrients loss from the land. Reducing sediment and nutrient loss will improve water quality in Sulphur Creek, an important tributary of the Yakima River.
FP01110: North Yakima Conservation District: NYCD 2000 - 2001 Water Quality Projects: Part one is the completion of the Moxee Project. This water quality project provides technical assistance and monitoring, and will leverage \$471,600 for the conversion of furrow irrigated ground to drip (471.6 acres). It will also implement 967 previously contracted acres. Part two is the implementation of NYCD's water quality monitoring program.
FP01111: South Yakima Conservation District: Dairy Waste Storage Pond Improvement: SYCD will demonstrate and evaluate the effectiveness of a new technology (InStream Treatment System) in an existing dairy waste storage pond. This new technology is planned to reduce odors, nutrients, solid wastes, and fecal coliform in dairy storage ponds, thereby improving water quality to the Yakima River from agricultural drains.
FP01112: Central Washington University: Watershed Information Center Phase 2: The Watershed Information Center Phase 2 project will increase coordination efforts to improve water quality in the mid-Columbia region by enhancing information collection and dissemination tools and technology, expanding the Center's geographical focus, and developing new public information, education, and outreach tools about water quality and related issues.
FP01113: King County Department of Natural Resources: Denny Way/Lake Union CSO Control Project: The Denny Way/Lake Union CSO Control Project is a joint effort of King County and the city of Seattle to control combined sewer overflows to Lake Union and Elliott Bay, including the Denny Way CSO, which is the largest CSO in the King County system. The project will control Lake Union and Denny Way CSOs by 1) storing CSO flows during moderate storms and transferring them to the West Point Treatment Plant after the storm subsides; and 2) providing at-site treatment at the Elliott West site, with discharge of treated flows through a new outfall during heavy rain conditions. ....
FP01114: King County: Sammamish River - Water/Sediment Quality Evaluation: The purpose of this study is to conduct a water and sediment quality evaluation of the Sammamish River. Data collected will support a number of efforts including (1) TMDL development, (2) identify whether water/sediment quality conditions impact endangered Chinook salmon survival/reproduction, and (3) development/implementation of a Sammamish River Restoration Plan.
FP01115: South Bend City of: Inflow and Infiltration Abatement Project: To reduce/eliminate I/I of storm/ground water into sewer system per Order #DE-98WQ-J296 from DOE (4/23/99). Major elements: (1) Replace/seal failing sewer mains; (2) Seal leaking manholes; (3) Separate storm inlets from sewer lines; (4) Correct sidesewer leakage; (5) Inspect for open/interconnected yard drains.

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FP01116: Lynden City of: Wastewater Treatment Plant Upgrade/Expansion: This project will complete the improvements and expansion of the Lynden wastewater treatment plant, including, but not limited to, the following: Schedule D-Liquid Stream. New headworks with influent pumps, mechanical fine screens, grit removal and septage receiving facility; New anoxic selector/denitrification tanks; Two new 65 foot diameter secondary clarifiers; New ultraviolet light disinfection facility to replace chlorination; New laboratory/operations/training building; Convert old secondary clarifiers to aerobic sludge digesters; Convert old headworks structure to a sludge thickener building.
FP01117: Long Beach City of: WWTP Upgrade Design Phase 2 & 3: Prepare design documents - Phase 2/3 WWTP improvements. Phase 2: Convert aerobic digester to secondary clarifier; Plant drain pump station and non-potable water system; Aerobic digester, thickening and truck loading station. Phase 2: Force main - main pump station to WWTP; Grit removal; Bioselectors, diffusers - aeration basins; Laboratory/MCC building.
FP01118: Kitsap County Public Works: Benthic Invertebrate Biological Monitoring Program: The Stream Team Benthic Invertebrate Biological Monitoring Program will assess the biological integrity of fifteen salmonid producing streams in Kitsap County to help determine where protection, rehabilitation and restoration of habitat should occur. This program supplements the biological monitoring of four streams done annually by SSWM Water Quality Division.
FP01119: Sumner City of: Wastewater Treatment Upgrade and Expansion Design: The project involves design of the upgrade/expansion of the Sumner WWTP to meet water quality and biosolids standards, NPDES permit limits, TMDL recommendations, and to serve existing and future growth. The upgrade will be designed to address the removal of ammonia, Chlorine, and BOD to protect water quality in the White and Puyallup Rivers.
FP01120: Natural Resources Department of: Floodplain Surface Mining Impact Study: Fifty percent of the states floodplain mines occur along the Yakima River, gravel pits may contribute to higher temperatures that impact salmonids while enhancing nonnative predatory fish. We will study mining impacts, and develop prescriptions for existing and future pits that may be applied on a statewide basis.
FP01121: Benton County Public Works: Study of Stormwater Infiltration in Benton County: The project shall evaluate site conditions and existing infiltration facilities and conduct field scale investigations at two selected sites. Field investigations include site characterization and water quality monitoring over a two-year period. Analysis of the data collected will address site specific technical issues that affect stormwater contaminant transport from the facility to the underlying ground water. The results will be used to evaluate the adequacy of best management practices and the need for enhanced treatment to remove contaminants.
FP01122: Bremerton Port of: Surface Water Management Plan: The Port and County would prepare a Surface Water Management Plan for the 3400 acre South Kitsap Urban Growth Area. This plan would provide regional stormwater management and natural resource protection through correction of existing stormwater problems and prevention of future water quality and critical habitat degradation from nonpoint pollution.
FP01123: Zillah City of: Wastewater Treatment Plant Bond Refinance: Capacity and wastewater quality improvements to the city of Zillah wastewater treatment facility in 1994. Facility improvements include rehab, add-on of fixtures and a modest expansion of capacity.
FP01124: Tacoma-Pierce County Health Department: Septic System Education and Maintenance: Identify on-site sewage systems that represent a high risk of ground and surface water contamination, with principal focus on commercial and community systems. Provide training to system owners concerning proper maintenance practices and system performance monitoring. Amend current regulations to extend operation and maintenance requirements to more systems and strengthen enforcement tools.
FP01125: Tacoma-Pierce County Health Department: Shellfish Watersheds Protection Project: The Shellfish Watersheds Protection Project will improve water quality in two threatened commercial shellfish growing areas and one closed growing area in Pierce County. This will be accomplished through sanitary surveys that identify and correct sources of pollution and is a continuation of an effort to develop a permanent program.
FP01127: Cle Elum City of: Interim Wastewater Treatment Facilities: Interim upgrade to wastewater treatment from natural stabilization lagoons to aerated treatment lagoons. Construction will be modification of the headworks, conversion of third stage lagoon to wetland (completed), addition of aerators to remaining lagoons, a re-aeration chamber following the wetland and conversion of disinfection from chlorine to ultraviolet irradiation.

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FP01128: Blaine City of: Wastewater Treatment - Disinfection Improvements: This project will replace the existing chlorine-based disinfection system with an ultraviolet light-based disinfection system to comply with more stringent water quality-based limits for chlorine anticipated to be incorporated into the pending NPDES permit for discharge of treated effluent to Semiahmoo Bay. Filtration will be provided to improve the efficacy and reliability of disinfection.
FP01129: Blaine City of: Wastewater Treatment - Solids Handling Improvements: Upgrade sludge digestion and handling facilities to meet 40CFR503 and WAC Chapter 173-308 to meet sludge management requirements through year 2010. To address complaints from adjacent property owners, the project will also implement best available technology for control of fugative and point source odors associated with the digestion process.
FP01130: Hood Canal Coordinating Council: HCCC Monitoring & Implementation Strategy Project: This proposal will target mutually identified issues under the CWA and the ESA by addressing specific water quality parameters of 303(d) listed streams/impaired waterbodies that affect salmonids in Hood Canal and the Eastern Strait of Juan de Fuca. It will: develop a monitoring scheme to coordinate and optimize current monitoring; identify additionally needed monitoring; fund projects that fix those water quality problems through the Salmon Recovery Lead Entity process (RCW 75.46); and use that monitoring data for adaptive management for new projects.
FP01132: Lummi Indian Business Council: Historic-Scale Engineered Logjams Phase 3: Complete materials acquisition for four of eight historic-scale engineered logjam structures which constitute State B of the reach master design. The jams will be installed at river mile 20.8 of the South Fork Nooksack River. Stage B of the project will be situated immediately upstream of the nine State A engineered logjams scheduled to be in place in the summer of 2000. The logjams will reduce bank erosion currently delivering fine sediment to the river, restore large woody debris structure necessary to scour, enhance sediment storage and maintain salmon holding pools and provide stability for the riparian ecosystem. The jams are designed to work within the natural meander belt of the river, providing structure across the floodplain. The project will complement extensive riparian planting that has occurred adjacent to the site.
FP01133: Lummi Indian Business Council: North Fork Nooksack Sediment Reduction (Phase 2): To decrease sediment delivery into the Racehorse Creek and Slide Mountain subdrainages of the North Fork Nooksack created by surface erosion from logging roads and by road initiated landslides: Abandon 13 miles of logging road and upgrade and add drainage structures to Storm Proof nine miles of logging road. The project is in partnership with Washington State DNR which will provide that project match. This project will complete the work prescribed for the drainage in the DNR's Road Maintenance and Abandonment Plan. This work began in 1998 under a Jobs for the Environment grant and will continue in the Summer 2000 under funding from the FY 2000 CCWF/319 grant.
FP01134: Whitman Conservation District: Demonstration Wildlife and Wetland Plantings: This project will establish wildlife plantings and wetland enhancements as a demonstration. It will be used to show the benefits of wildlife habitat in a no-till system. Highly visible, it will be toured by up to 500 interested and motivated farm operators and researchers each season.
FP01135: Columbia River Foundation: Lower Columbia River Habitat Protection: The project proposes to assess habitat inventory data on the lower 46 miles of the Columbia River, identify critical wetland habitats and habitat functions in need of protection and/or restoration, and seek commitment for the restoration and protection of 3000 acres of tidal habitat.
FP01136: Kittitas County Conservation District: Kittitas Sprinkler Irrigation & Timothy Demonstration: This project will demonstrate the conversion of rill irrigation systems to sprinkler systems (center pivot, linear mover) on Timothy hay. The purpose is to determine the grower's cost/benefits of conversion particularly related to the quality and quantity of timothy hay produced and to demonstrate the water quality improvements gained.
FP01137: Kittitas County Conservation District: Waterway Monitoring & Landowner Assistance Project: This project involves water quality/quantity monitoring in the Wilson/Cherry system that's coordinated with other local efforts. Included is a fecal coliform DNA investigation for source identification. A mobile lab provides on-farm assistance for regulatory (TMDL, Clean Water Act, ESA) compliance. Educational events and publications provide resource management information to landowners.

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FP01138: Clallam County: WRIA 18 Water Quality & Planning: Clallam County proposes to (within WRIA 18): Mitigate/eliminate septic system operation & maintenance impact on water quality and shellfish harvesting areas; Monitor water quality in developing areas; Support the Elwah-Morse Watershed Management Team watershed planning; Provide citizens with information needed to effectively reduce their impact on the watershed.
FP01140: Nooksack Department of Natural Resources: Fecal Coliform Transport in Ground Water: Assess the transport of fecal coliform bacteria from agricultural operations and septic systems through ground water to surface water. Data on hydraulic head, geochemical conditions and bacteria distribution will be collected from nested piezometer sets installed at four locations. Analyses of relationships between data collected will be used to examine mechanisms contributing to bacteria colonization and transport.
FP01141: Eatonville Town of: WWTP & Sewer Improvement Construction: Build a new two-cell sequential batch reactor WWTP for a maximum month's average daily flow of 0.53 mgd, BODs and TSS load of 940 pounds per day, and ammonia treatment for a load of 134 pounds per day. Build sewers on Mashell and Orchard Avenues and in the Ohop Valley.
FP01142: Kitsap County Public Works: Kingston Wastewater Treatment Plant Outfall: Construction of a new outfall for the Kingston wastewater treatment plant to replace the existing outfall damage in 1990 during dredging operations conducted by the Washington State Ferries. The new outfall will extend 5,290 feet into Appletree Cove, terminating at a depth of 165 feet MLLW.
FP01143: Medina City of: Regulatory Compliance, Funding, and Planning: This project's objective is to develop and implement an adaptive Stormwater Management Program for the city of Medina to meet the requirements of the Puget Sound Water Quality Plan, and the anticipated requirements of the NPDES Phase 2 permit and the ESA's 4(d) rule.
FP01144: Ferry Conservation District: FCD Riparian Demonstration Education Project: This project will implement riparian protection, enhancement, and restoration for water quality benefits throughout Ferry CD in WRIA's 52, 58, and 60 (respectively the San Poil River, Mid-Lake Roosevelt tributaries, and Kettle River). This project intends to meet the challenge of protection and restoration of riparian areas adjacent streams and lakes in such a manner that maintains water quality integrity while providing reasonable adjacent agricultural and other landscape functions via demonstration and education....
FP01145: Kitsap County Public Works: Kingston Wastewater Treatment Plant: This project consists of a new wastewater treatment plant serving Kingston, located off of West Kingston Road. The plant would be designed to treat 0.29 MGD, utilizing UV disinfection, oxidation ditches, and a secondary clarifier facility.
FP01146: Skamania County: Stabler Water Quality/Quantity Study: Project will produce a baseline water quality and quantity study for the Stabler Planning Unit. Current and future issues with listed fish species and population growth will be addressed. A monitoring system will be established for long-term evaluation of water quality and quantity guiding salmon recovery and planning decisions.
FP01147: Skamania County: Carson Stormwater Facilities Planning: This project will develop a comprehensive stormwater facilities plan for Carson Washington that: Protects the health, safety and welfare of the residence by controlling stormwater drainage; limits property damage by reducing flooding and landslides; and protects the lower Wind River and two endangered salmon species by improving runoff quality and velocities.
FP01148: Washington State University: South Fork Palouse Restoration Project: We propose to involve 600 volunteers in the revegetation of 4-6 miles of streams in the South Fork Palouse watershed and in several of the small tributaries to the Snake River near Pullman. In addition, we will construct six bioengineering structures on problem sites to stabilize collapsing stream banks.
FP01149: Whidbey Island Conservation District: Island County Agricultural BMP & FMP Implementation: The objective of this project is to implement BMP & FMP for the landowner and landuser of Island County. The program will provide technical assistance and cost-share availability to the farmer and rancher. Provide written conservation's plans and recommend BMP's, which will include protection of wetlands and aquatic habitat as priorities. Also, provide forestry assistance and take necessary action to protect and restore shellfish beds. We will provide timely and pertinent information to Island County decision makers in protecting critical areas from impact by agricultural activities.

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FP01150: Bremerton City of: Private Sewer System Rehabilitation Activities: This program will provide home and business owners of Bremerton with a low interest loan option for funding separation of stormwater from their sanitary sewer services. Offering this loan as part of the Combined Sewer Overflow Reduction Program will encourage participation in our effort and help ensure its success.
FP01151: Bremerton City of: Pine Road CSO Reduction Project: This project develops a facility plan for Pine Road Basin and designs a wastewater treatment plant to treat CSO flows in East Bremerton that would otherwise overflow. The CSO treatment facility will reduce CSO events as required by State regulations, court orders, and the improvement of Puget Sound water quality. \$650,000 of this request is for new financing and \$100,000 is for refinancing.
FP01152: Stanwood City of: Wastewater Activities Projects: This project consists of performing water quality monitoring at the treatment plant and in the Stillaguamish River to help develop TMDL allocations for the City's wastewater treatment plant. Another component of this project is the development of sewer ordinances and user charges to ensure system users are being charged appropriately.
FP01153: Bremerton City of: Anderson Cove CSO Reduction Facilities: This project is facility planning, design, and construction of Anderson Cove CSO separation facilities. The facilities constructed in this project will reduce CSO events as required for compliance with State regulations, court orders, and improvement of Puget Sound water quality. This project will construct all facilities within Anderson Cove, except upgrading pump station CW-4 and the associated flow diversion.
FP01154: Bremerton City of: East Bremerton Inflow/Infiltration Study: The project measures the wet-weather hydraulic performance of the East Bremerton sewer system by establishing the rainfall-to-inflow and infiltration (I/I) relationship. Analyses will calculate rain-dependent I/I and will isolate areas that are high contributors of I/I for capital improvement consideration. Reduction of I/I reduces the potential for CSOs to occur.
FP01155: King County Department of Natural Resources: Denny Way/Lake Union CSO Control Project - Design (Refinance): The Denny Way/Lake Union CSO Control Project will control Lake Union and Denny Way CSOs by 1) storing CSO flows during moderate storms and transferring them to the West Point Treatment Plant after the storm subsides; and 2) providing at-site treatment at the Elliott West site, with discharge of treated flows through a new outfall during heavy rain conditions.....
FP01156: King County Department of Natural Resources: Renton Enlargement 3 - Construction (Refinance): The objective of the East Section Reclamation Plant in Renton (ESRP), Enlargement 3 program was to increase average wet weather flow capacity from 76 mgd. Improvements were made to both liquid and solids stream treatment facilities and to effluent transfer capacity, as well as improving odor control, enhancing site aesthetics, and implementing water reclamation.
FP01157: King County Department of Natural Resources: Denny Way/Lake Union CSO Control Project - Construction: The Denny Way/Lake Union CSO Control Project will control Lake Union and Denny Way CSOs by 1) storing CSO flows during moderate storms and transferring them to the West Point Treatment Plant after the storm subsides; and 2) providing at-site treatment at the Elliott West site, with discharge of treated flows through a new outfall during heavy rain conditions.....
FP01158: Mason Conservation District: Sedimentation Prevention and Remediation Project: This project would provide technical assistance to prevent and remediate soil mass movement and erosion related to human activities adjacent to waterways (forestry practices, road construction). It includes forestry technical assistance (management plans) to educate private landowners about proper forest practices and prevention of erosion and consequent sedimentation of streams.
FP01159: Mason Conservation District: Case Inlet Watershed Stewardship Project: The Mason Conservation District will work with the commercial and non-commercial agricultural producers within the Case Inlet watershed to address NPS pollution, salmonid and wildlife habitat degradation resulting from improper agricultural practices. Farm inventory, farm planning, BMP implementation, salmonid and wildlife habitat restoration projects are the goals of this grant.
FP01160: Mason Conservation District: Mason County Referrals and Follow-Up: The Mason Conservation District staff will follow-up with landowners identified in the Totten-Little Skookum Watershed and respond to countywide referrals. Staff will provide technical assistance to encourage the implementation of best management practices. These practices will prevent water quality degradation throughout Mason County.

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FP01161: Chelan County Conservation District: Wenatchee Plan Action Item Implementation: Improve water quality by implementing the following action items from the Wenatchee River Watershed Action Plan: Providing on-site septic system inspections; developing and implementing free domestic well testing service, septic system pumper notification service, and a strong public awareness campaign about septic issues; and disconnecting storm drains from sanitary sewers.
FP01162: Chelan County Conservation District: Water Quality BMP Implementation Project: Provide technical and financial assistance to landowners in the Wenatchee River watershed to improve water quality by implementing best management practices such as: Irrigation water management; integrated pest management; riparian restoration, streambank stabilization, instream structures, nutrient management, pasture management, reforestation and off-channel livestock watering facilities.
FP01163: Redmond City of: Lower Bear Creek Restoration: The purpose of this project is to restore habitat for fish and wildlife in the lower 3000 feet of Bear Creek. The proposed plan will create a new meandered channel for the lower 2100 feet of Bear Creek and enhance the wetlands and stream channel in the upper 900 feet.
FP01165: Monroe City of: Eastside Interceptor: Installation of a 24 inch gravity sanitary sewer interceptor to serve the developing north-central area of the City and relieving pressure on the existing 179th Avenue pump station.
FP01166: Skagit Conservation District: No Name Slough Implementation - Phase 1: No Name Slough Watershed offers diverse habitat potential, but suffers from several landscape process disturbances, including channel alterations, diminished water quality, residential and commercial land development, and riparian vegetation removal. The proposed watershed characterization, using participation by public and private groups, will develop and evaluate baseline data to provide a clear picture of historic and current natural processes with a key result conceptual solutions supporting future restoration efforts.
FP01167: Yelm City of: Yelm Sewer Project Loan Refinance: Yelm requests a \$1,763,002 SRF loan to refinance the balance remaining of our 1994 Revenue Bond with U.S. Rural Development, saving \$1,400,000 over the life of the loan. Completed in 1993, the project consisted of a septic tank effluent pump collection system and an aerated lagoon treatment facility.
FP01168: Benton Conservation District: Water Contamination and Habitat Degradation Investigation: Nitrate and pesticide concentrations in the ground water at some locations in neighboring counties have increased by as much as two orders magnitude since the early 1950's. Historical data generally were not available to evaluate changes of nitrate and pesticide concentrations in ground water in Benton County. Applied nitrogen fertilizers are a major source of nitrate in the ground water, as are faulty septic systems. Surface water used for irrigation may or may not contain sufficient nitrate to cause elevated concentrations in ground water. Canal seepage, which makes up about 50 percent of the ground water recharge, can have the capability to dilute the nitrate present in the ground water. Through ground water and surface water sampling, three-dimensional ground water flow modeling, and a complete suite of nitrate and pesticide analysis, this project will determine the source of the contaminants and assist in the development of a wellhead protection area for protecting the affected citizens of Benton County.
FP01169: Redmond City of: Idylwood Park Stream Restoration: This grant applications requests activity type funds to repair and restore approximately 800 feet of stream channel located in a beachside park adjacent to Lake Sammamish. The work consists of stream channel widening, stream bank stabilization, fisheries habitat enhancement, fencing to discourage park-user intrusion and interpretive signage.
FP01170: Whatcom Conservation District: Recover Bertrand Creek, WRIA 1: Recover water quality and salmonid habitat within the Bertrand Creek watershed by: 1) promoting good land stewardship; 2) completing riparian assessment of the watershed; 3) interpreting data to identify salmonid limiting factors and restoration/protection opportunities; 4) facilitating coordination of resource monitoring, recovery, and educational efforts of various groups and agencies.
FP01171: Ridgefield City of: Wastewater Treatment Plant Expansion: Increase funding for project funded in FY 98. Funds are needed because the facility will be built on a contaminated site, complicating construction which has been delayed by protracted land negotiations. The FY 98 costs were based on using an existing tank which has been removed as part of contamination cleanup. Present costs are based on final construction plans which include features not provided in FY 98.
FP01172: Lincoln County Conservation District: Unified Drinking-Water Plan for Lincoln County: Nitrates in drinking water have been identified in Lincoln County. The District will initiate a countywide rural water-testing program and prepare a unified ground water plan using GIS to collate and map data. Water quality information programs and cost-share to close abandoned wells will complete the project.

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FP01173: Klickitat County: Little Klickitat Temperature TMDL Project Coordination: Klickitat County will conduct the public involvement portion of a temperature TMDL process that Ecology will initiate in the Little Klickitat River in spring of 2000. Klickitat County will also, with Ecology and local stakeholders, and in conjunction with ongoing watershed planning and salmon recovery activities in Klickitat County, develop effective and achievable implementation strategies to meet established temperature TMDL targets.
FP01174: Quincy City of: Water Reclamation Facility Design: Design a water reclamation facility to achieve Class A water reclamation standards and allow ground water recharge by surface percolation. The design will include an activated sludge system with nitrogen removal, chemical coagulation, filtration and high level disinfection along with biosolids stabilization and dewatering systems to produce Class B biosolids.
FP01175: Stevens County Conservation District: Little Pend Oreille Watershed Planning: The proposed project will result in a comprehensive watershed management plan to protect, maintain, and improve the quality of surface waters within the Little Pend Oreille River Watershed. As the number four ranked watershed in WRIA 59, the Colville River Watershed Ranking Committee directed that such planning be conducted.
FP01176: Goldendale City of: Goldendale Wastewater Facility Improvements: The project will upgrade the existing wastewater treatment facility in accordance with the DOE's compliance order and NPDES permit no. WA-002112-1. The modifications include constructing a biolac treatment facility, provide mechanical screening of the influent, UV disinfection of the effluent, and upgrading the main pump station.
FP01177: Farmington Town of: Farmington Sewer System Rehabilitation: This comprehensive planning project, in accordance with WAC 173-240 040 and 050, will: Investigate and identify the sources of severe infiltration and inflow into the sewer collection system; evaluate alternatives for the rehabilitation of the sewer pump station in order to improve its reliability, efficiency and safety; present feasible options and costs for lining the existing lagoons in order to eliminate wastewater from leaking to ground and surface water and perform a water balance to identify the need for additional treatment capacity.
FP01178: Walla Walla County Regional Planning: Watershed Planning: Walla Walla County is undertaking a watershed planning process for update of existing County ordinances to reflect changes to critical areas, shorelines, floodplain, and development practices. These changes will reflect a compendium of land-use management practices mandated via watershed planning legislation, shoreline guidelines, critical areas updates, and NMFS 4(d) rules.
FP01179: Adopt-A-Stream Foundation: North Creek Streamkeepers: Establish the North Creek Streamkeepers: A consortia public/private interest groups with the mission of identifying solutions to North Creek's water quality/fish habitat problems. Create the North Creek Greenway to protect 100 acres of riparian lands, salmonid habitat, and train volunteers to monitor the results.
FP01180: Connell City of: Wastewater System Improvements (Construction): Connell will construct collection system improvements and a new wastewater treatment system, including a three-mile-long force main, two 800-gpm lift stations, a 1.8-acre aerated lagoon, 60 million gallons in active lagoon storage capacity, a disinfection system, a 90-acre irrigation system, and associated facilities. Treated wastewater will be irrigated on alfalfa.
FP01181: Toledo City of: Sewer System Improvements: The proposed project involves the repair and/or replacement of approximately 5,500 linear feet of six-twelve inch diameter concrete gravity sewer main and side sewer on public property with PVC pipe, to reduce infiltration and inflow into the collection system. The project area lies primarily between First, Fifth, Alder, and Cowlitz Streets.
FP01182: Stevens County Conservation District: Pingston Creek Watershed Planning Project: The proposed project will result in a comprehensive watershed management plan to protect, maintain, and improve the quality of surface waters within the Pingston Creek Watershed. As the number one ranked watershed in WRIA 61, the Upper Columbia River Watershed Ranking Committee directed that such planning be conducted.
FP01183: Lind Town of: Wastewater Disinfection and Collection Systems Improvements: Reconstruct approximately 8,200 lineal feet of wastewater collection system shown to be impaired by excessive I/I. Retrofit the existing wastewater treatment facility disinfection system to correct the improper disinfection of plant effluent prior to discharge.

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FP01184: Thurston County Public Health and Social Services: Septic Systems and Shallow Ground Water: This project would measure bacteria, nitrate, ammonia, chloride, and other indicators of wastewater contamination in shallow ground water and interconnected surface water at three sites. The goal is to determine septic system effects and provide a basis for modifying local practices and regulations to better protect ground and surface water.
FP01185: Thurston County: Cooper Point Wastewater Facilities Construction: Transfer wastewater flows from two small Cooper Point wastewater treatment plants to the regional LOTT treatment facilities. Decommission existing shoreline facilities and marine outfalls. Install four pump stations with emergency power and approximately five miles of limited-capacity sewer lateral and interceptor pipe to convey wastewater to the regional treatment facilities.
FP01186: Thurston County: Grand Mound Sewer Facilities Construction: The Grand Mound wastewater facilities replaced the existing Maple Lane Institution's raw sewage lagoon, in the Chehalis flood plain, on-site system for two DOT Rest Areas and other commercial, industrial and high density residential development within the Urban Growth Area. All future development is required to use the sewer system.
FP01187: Yelm City of: Yelm Ground Water Quality Monitoring: Yelm's Ground Water Quality Monitoring project will determine the ability of constructed wetlands and specially constructed rapid infiltration basins to provide effective treatment of Class A Reclaimed Water prior to ground water recharge. These monitoring efforts will test for pollutants as well as indicator parameters in the constructed wetlands, ground water and drinking water.
FP01188: Woodland City of: Woodland Wastewater Treatment Plant Improvements: Woodland will construct a new secondary wastewater treatment plant (WWTP) designed in accordance with Ecology design criteria. The new plant will provide improved effluent water and biosolids quality and increased reliability. This project will allow Woodland to remove a sewer hook-up moratorium (implemented in 1998) required by Ecology Administrative Order No. DE 98WQ-S122.
FP01189: Elma City of: Elma Wastewater Treatment Plant Construction: This project is to construct a Biolac wastewater treatment plant in accordance with the Ecology approved design plans and specifications and to meet the requirements of Ecology's Administrative Order DE 99WQ-S154. The construction of this plant will produce an effluent that exceeds secondary treatment standards and will improve the water quality in the Chehalis River.
FP01190: Mason County Community Development: North Bay/Case Inlet Water Reclamation Facilities: The proposed project consists of construction of water reclamation facilities located on property owned by the Washington State Department of Natural Resources approximately one mile west of the town of Allyn. The components of the project include a headworks facility, a sequencing batch reactor sized for a design flow of 0.304 MGD, effluent filters, UV disinfection, storage ponds, and sprayfield facilities.
FP01192: Mason County Department of Health Services: Lower Hood Canal O&M Project: The Lower Hood Canal Watershed Implementation Committee and the Mason County Department of Health Services are working to complete the watershed cleanup and reopen the Lower Hood Canal to shellfish harvest. The LHCWIC requested an intense operation and maintenance program be implemented in the sensitive areas along the waterfront.
FP01193: Tonasket City of: Tonasket Wastewater Treatment Facility Reconstruction: The subject of this application is the replacement of an obsolete lagoon-type treatment system that currently discharges to ground water with a modern activated-sludge extended-aeration system that will discharge treated effluent to the Okanogan River.
FP01194: Chelan County Public Works: Manson Area Stormwater Management Plan: The Ecology approved Lake Chelan Water Plan established an action plan for addressing the urban stormwater component of the EPA approved phosphorous TMDL. This project will develop a stormwater management plan to establish BMPs and to create a serviceable storm drainage facility program for water quality/quantity in the Manson area.
FP01195: Puyallup City of: Clarks Creek Watershed Pollutant Reduction: The project seeks to identify and quantify sources of nutrient, temperature, and bacterial contamination and use them as input to a TMDL modeling effort. This information will be used to develop management strategies and identify source control options, including best management practices (BMPs) for reducing contaminants from identified sources. A watershed action plan will be developed to guide the implementation of management strategies, source control options and BMPs.

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FP01196: Sultan City of: Surface Water Quality Management Plan: Development of a surface water quality management plan, which will be the basis for the formation of a surface water utility for the city of Sultan. Work will include characterization of existing watershed conditions, identification of hydrological and water quality problems, development of surface water controls and public involvement.
FP01197: Island County Public Works: Agricultural BMP Program Review: The agricultural BMP program review will provide timely and pertinent information to the County about the program's effectiveness in protecting critical areas from impact by agricultural activities. This will ensure that adjustments to the Program can be made as needed and that enforcement is applied where appropriate.
FP01198: Island County Public Works: Camano Watershed Program: Camano watersheds were ranked number three for wastewater action planning pursuant to WAC 400-12. Island County has made a commitment to proactive management of nonpoint pollution by initiating, completing, and implementing watershed planning on Whidbey Island. This action plan will complete the County's efforts to develop pollution solutions for WRIA 6.
FP01199: Pacific Energy Institute: Leland Watershed Water Quality Monitoring: This project will implement volunteer water quality monitoring in the Leland watershed of Jefferson County and from this monitoring, produce a baseline of water quality data. The data will be used to protect watershed health and salmon habitat and to implement an element of the 1991 Quilcene/Dabob Bays Watershed Action Plan.
FP01200: Thurston Conservation District: TCD Lagoon Aerator Demonstration: We are proposing to conduct a demonstration project which has the potential to reduce and change the form of manure nutrients found in typical liquid manure lagoon storage systems. The technology consists of a trademarked aerator system which will be installed and monitored in a liquid manure lagoon system. The monitoring will quantify the performance of this technology and the value as an additional nutrient management tool for dairy farmers in Western Washington.
FP01201: Thurston Conservation District: Watershed Education in WRIA 13: South Sound GREEN is a watershed education program which engages students and their families in watershed studies, water quality monitoring, community problem solving, and making behavior changes. A variety of student-driven projects will be undertaken, including pollution prevention campaigns, riparian restoration and water conservation projects.
FP01202: Thurston Conservation District: Chehalis Basin TMDL Response 1: Ecology has completed the Upper Chehalis TMDL (WRIA 23, 1994) and the Upper Chehalis Nondairy Livestock Sweep (E. Schlorff, 1999). The latter effort has resulted in the identification of several nondairy livestock operations in WRIA 23 that are not in compliance with State and local water quality laws and are contributing pollutants into the Upper Chehalis River Basin. This project seeks to fund technical assistance from an alliance made up of three Conservation Districts that cover WRIA 23 to be made available to nondairy landowners in WRIA 23. The technical assistance will consist of the development and implementation of conservation plans designed to reduce or eliminate water pollution.
FP01203: Tumwater City of: Lower Deschutes Water Quality Project: This project will enhance Deschutes River water quality and salmon habitat by address high summer temperatures, turbidity, insufficient large woody debris (LWD) and impaired riparian functions. Volunteers will revegetate 6.8 acres with 3400 native plants. Bioengineering, including LWD, will reduce sediment and enhance habitat for Chinook, coho, steelhead, and cutthroat.
FP01204: Adopt-A-Stream Foundation: Fish Passage/Water Pollution Assessment: Stream surveys will be conducted in three urbanizing watersheds to locate water pollution sources, determine water types, and identify barriers to salmon migration. The following will result: Water pollution corrective action recommendations provided to landowners, water type designations corrected for local governments, and fish migration barriers mapped.
FP01205: Lacey City of: 15th Avenue Stormwater Treatment Acquisition: The project involves the purchase of property along 15th Avenue NE, near Lacey, Washington for the purpose of developing a regional stormwater treatment facility. The facility would lower pollutant loadings to Woodland Creek and Henderson Inlet by intercepting untreated stormwater currently discharging into Woodland Creek from Olympia, Lacey, and Thurston County.
FP01206: Lacey City of: Eagle Creek Sub-Basin Characterization: Eagle Creek is an ephemeral tributary to Woodland Creek, Lacey's main drainage basin. Eagle Creek lies within Lacey's Urban Growth Area and is surrounded by undeveloped moderate and high density zoned land. With the encroachment of future development, the city of Lacey and Thurston County would like to have a comprehensive study of the Eagle Creek Basin to include surface as well as shallow subsurface water flow.

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FP01207: Lacey City of: Habitat Surveys for Little McAllister and Woodland Creeks: This project involves conducting habitat surveys along two main drainage basins, Little McAllister Creek and Woodland Creek. In order to evaluate the effectiveness of past and future basin planning efforts, a clear understanding of the quantity and quality of salmonid habitat present or potential in these creeks is needed.
FP01208: Lacey City of: Fones Road Regional Stormwater Facility: The project involves design of a regional stormwater treatment facility to treat and attenuate stormwater from a highly urbanized area. This cooperative effort between the Cities of Lacey and Olympia will improve the quality and quantity of stormwater discharging to the headworks of Woodland Creek at the Taylor wetland.
FP01209: Lacey City of: College Ditch Stormwater Treatment Facility: The project involves the final design of a regional constructed wetland to treat stormflows from an urbanized environment. High flows that enter College Ditch impair the quality of Woodland Creek, Lacey's main drainage basin. The city of Lacey funded the preliminary design in 1999.
FP01210: Lacey City of: Yelm Wetland Acquisition: This project involves the purchase of property near Lacey, Washington to be used to expand an existing wetland to remedy health and safety concerns associated with the area. Localized flooding and illicit dumping result in property damage, inundation of local septic systems, and potential contamination of several drinking water wells.
FP01212: Shelton City of: Shelton Wastewater Treatment Plant Headworks/Aeration Retrofit: The project consists of design and construction of improvements to the City's WWTP. These improvements include: 1) construction of new screening facilities to replace existing comminutors; 2) grit chamber modifications to improve grit removal efficiency; and 3) replacement of the oxidation ditch rotors with mixers and fine bubble diffuser aeration.
FP01213: Shelton City of: Goldsborough Creek Sanitary Sewer Crossing: The proposed project will evaluate alternatives for removing a gravity sanitary sewer pipeline and force main from Goldsborough Creek, or for protecting the pipeline and force main if removal is not feasible. The City is under mandate from the Department of Fish and Wildlife to remove the gravity sewer pipelines from the creek by 2003.
FP01214: Yacolt Town of: Capital Facility/General Sewer Plan: A capital facility/general sewer plan would be completed in conjunction with the preparation of a comprehensive plan, to outline a mechanism for implementing both temporary and permanent wastewater facilities.
FP01217: Oroville City of: Oroville WWTF Improvement Project: Modify the two existing chlorine contact tanks in WWTP to accommodate ultraviolet treatment system using the other contact tank for treatment while modifications are completed, then, the second contact tank will be used as a settling tank before UV treatment. Also, install rotating screen at headworks to filter out inorganic materials for disposal as solid waste.
FP01218: Anacortes City of: Monitoring of Vortec Storm Drainage Treatment Facility: The city of Anacortes recently gained approval to install Vortec stormwater quality treatment facilities on Q Avenue. The installation was part of a federal and state-grant funded roadway reconstruction. This project would perform water quality analysis of the drainage into and out of the Vortec system(s). The information would be provided to Ecology to allow evaluation of this technology as an approved BMP. A quality assurance project plan would be developed as necessary to ensure that information gathered will be useful and defensible. The primary goal of all of these tasks would be to preserve and improve water quality in the receiving waters surrounding our City by ensuring the stormwater treatment facility is operating within design loading parameter, to the extend possible.
FP01220: Anacortes City of: Stormwater Quality Management Plan Update: The city of Anacortes completed development of a stormwater quality management plan in 1994 with CCWF matching funds. Since that time, the City has implemented recommendations for both administrative measures and for facility projects. Development has continued since that time and new challenges now face the community.....
FP01221: Whitman Conservation District: Snake River Sub Watershed Inventory: This project will inventory three subwatersheds of the Snake River, all within the boundaries of Whitman Conservation District. It will use information gathered in the inventory to assist newly-formed local watershed groups to recommend future action. Alkali Flat Creek, Penewawa Creek, and Almota Creek will be the focus of this project.